T0E00T"0STO2660

FIG. 1A

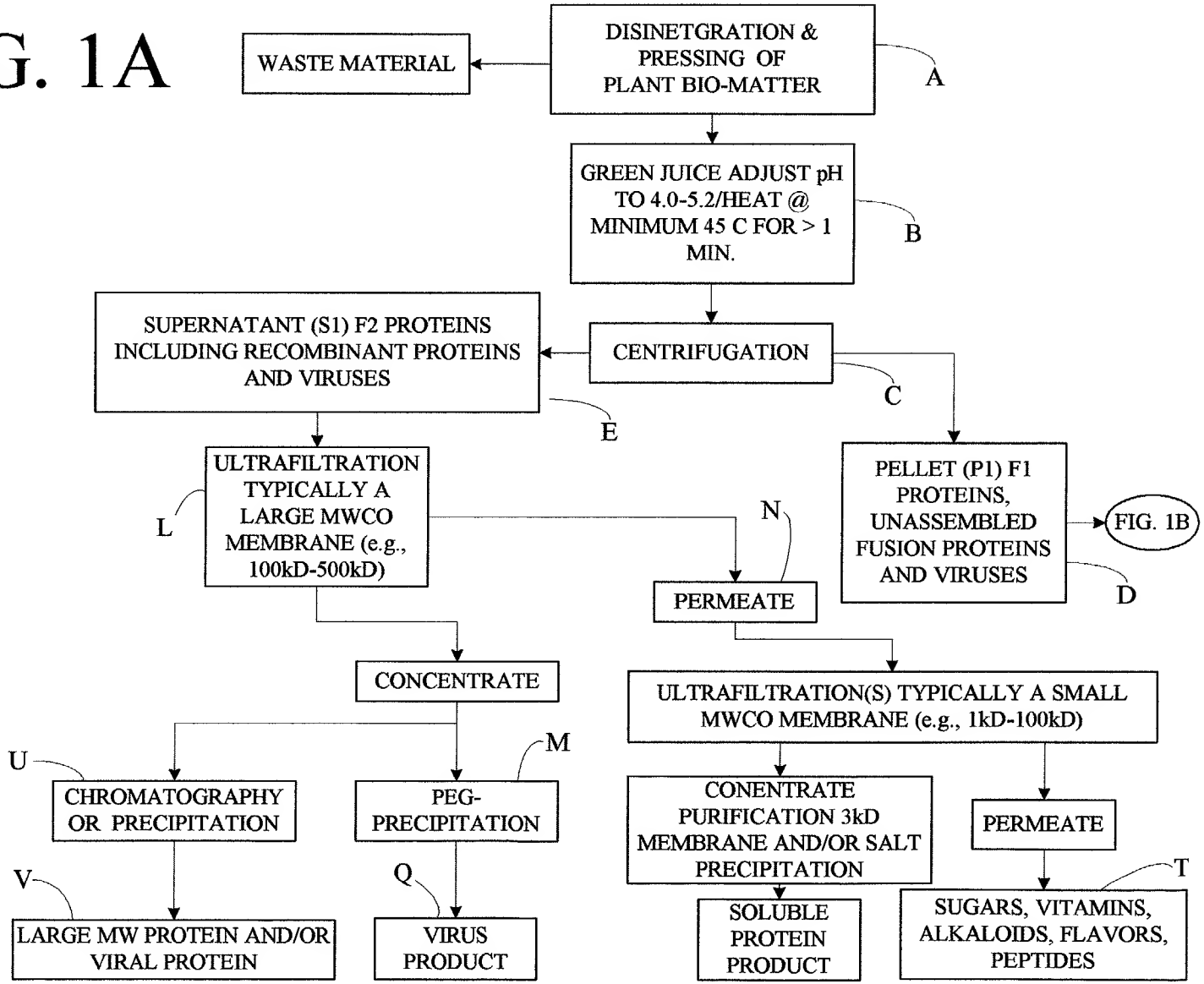

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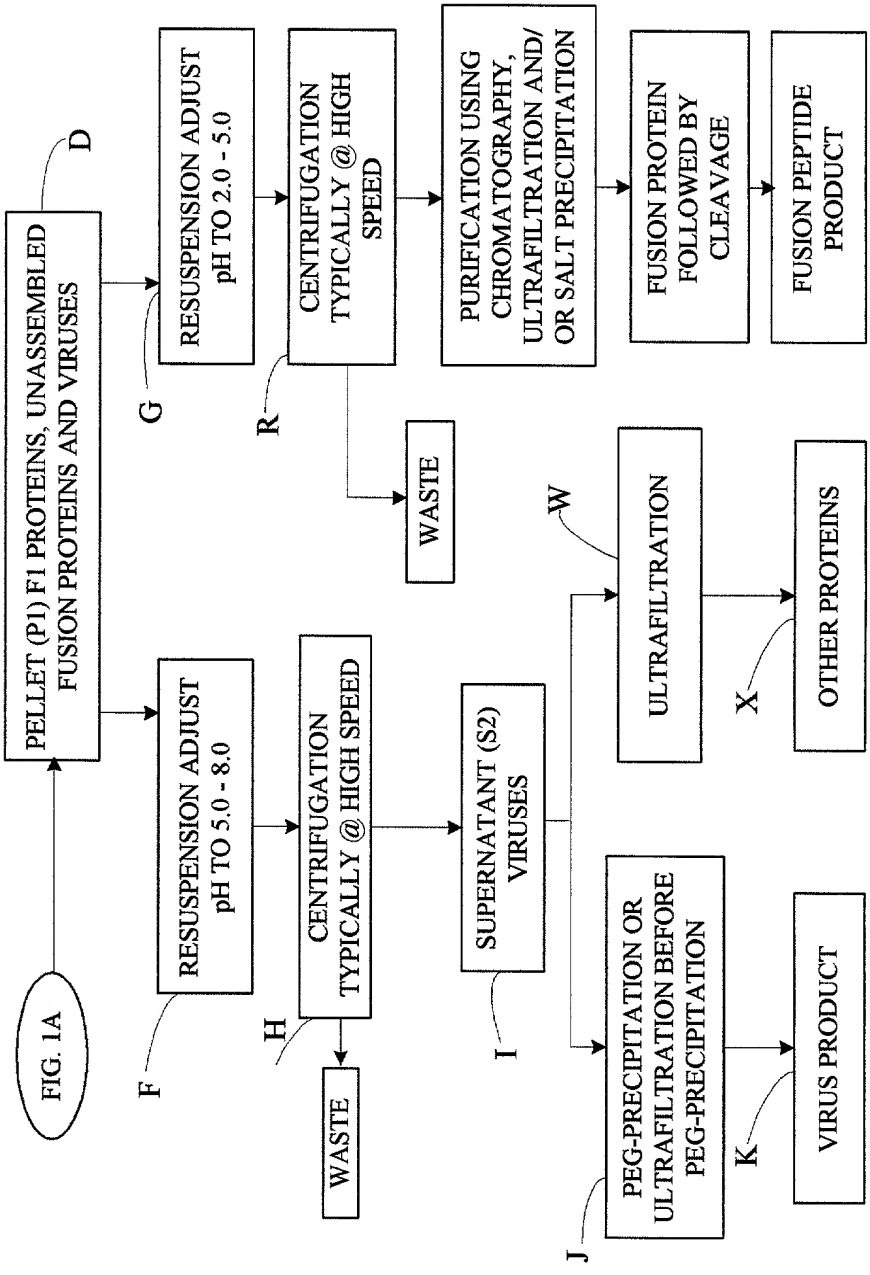
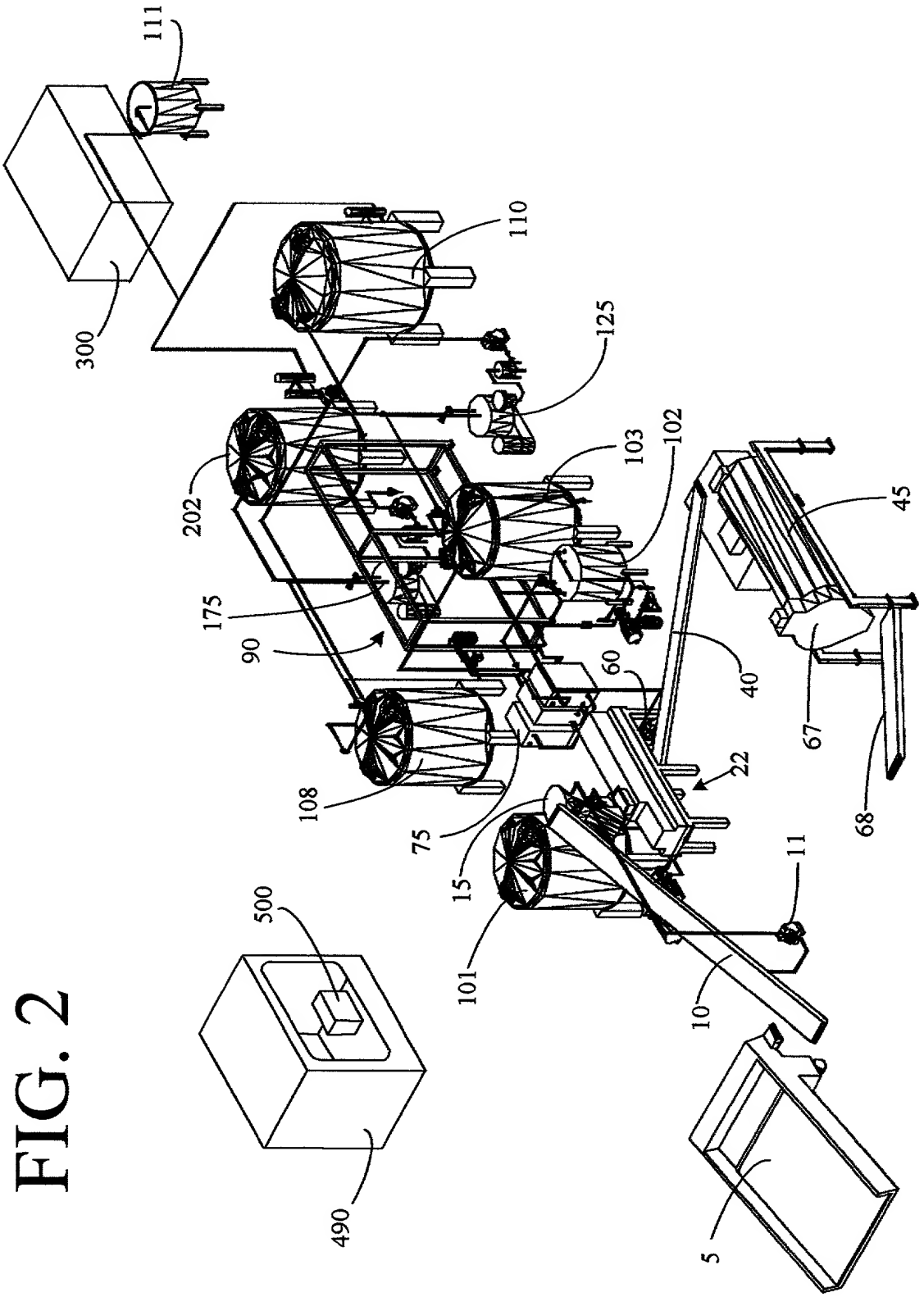
FIG. 1B



"EXPRESS MAIL" POST OFFICE

FIG. 2



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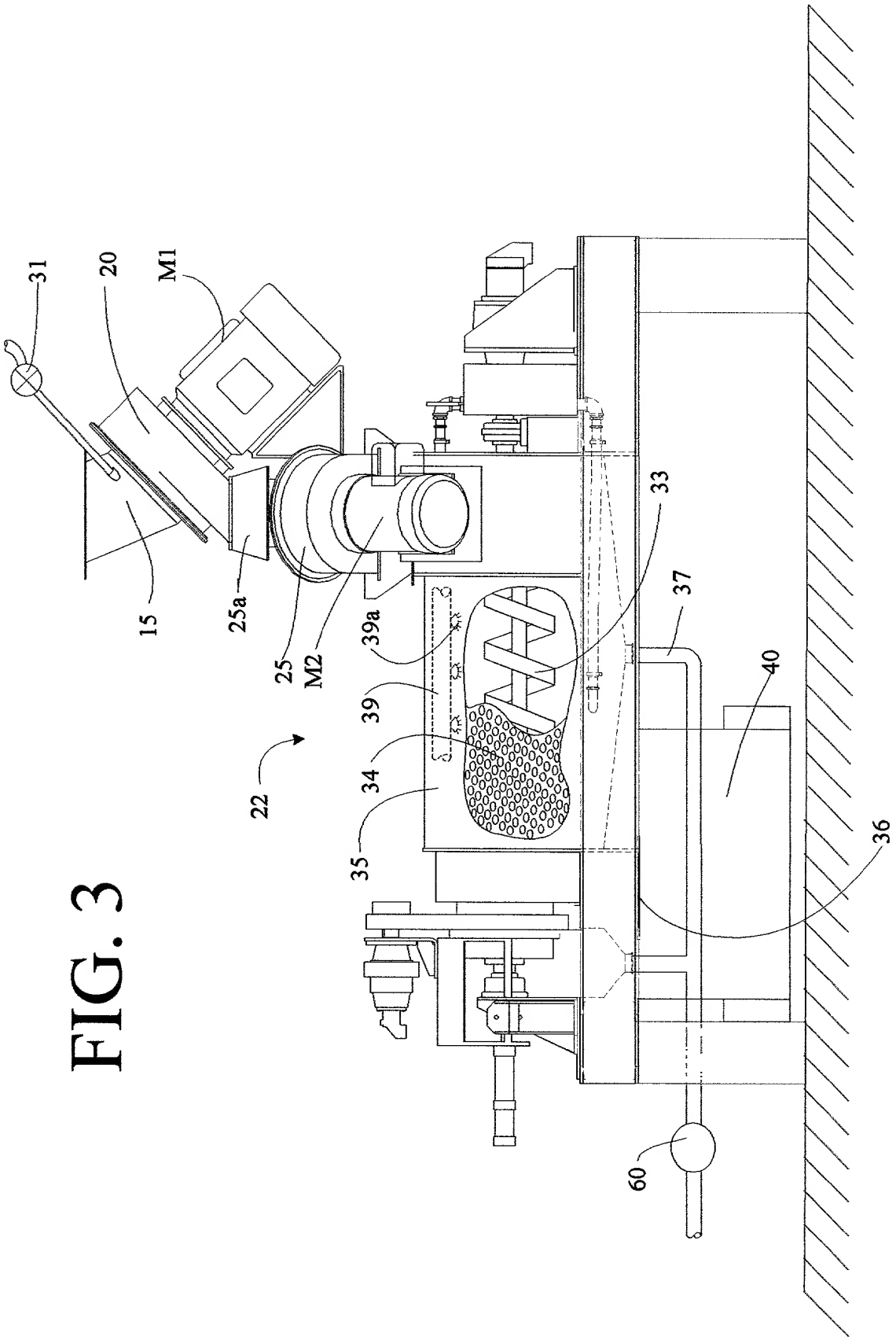

FIG. 3

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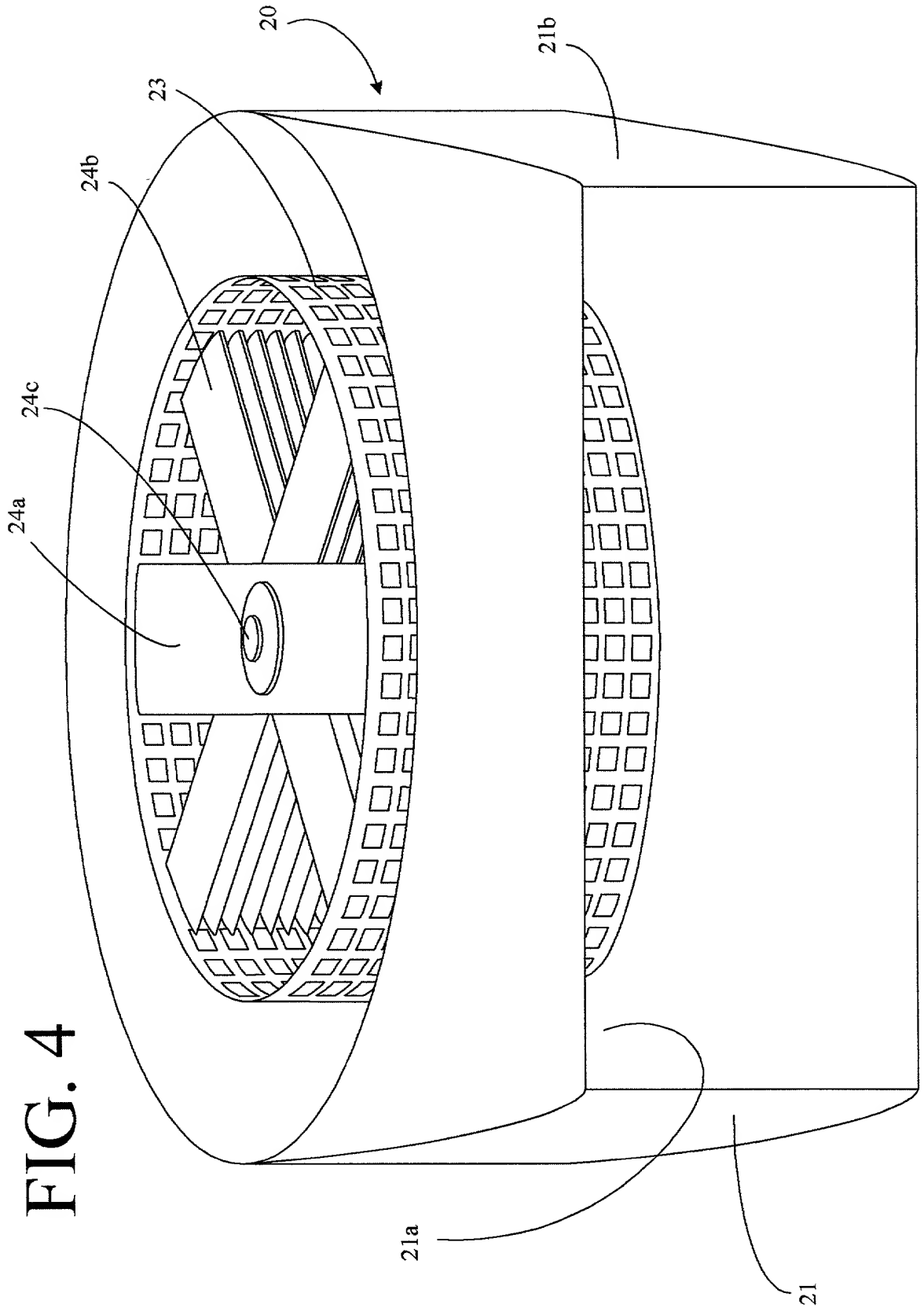
FIG. 4



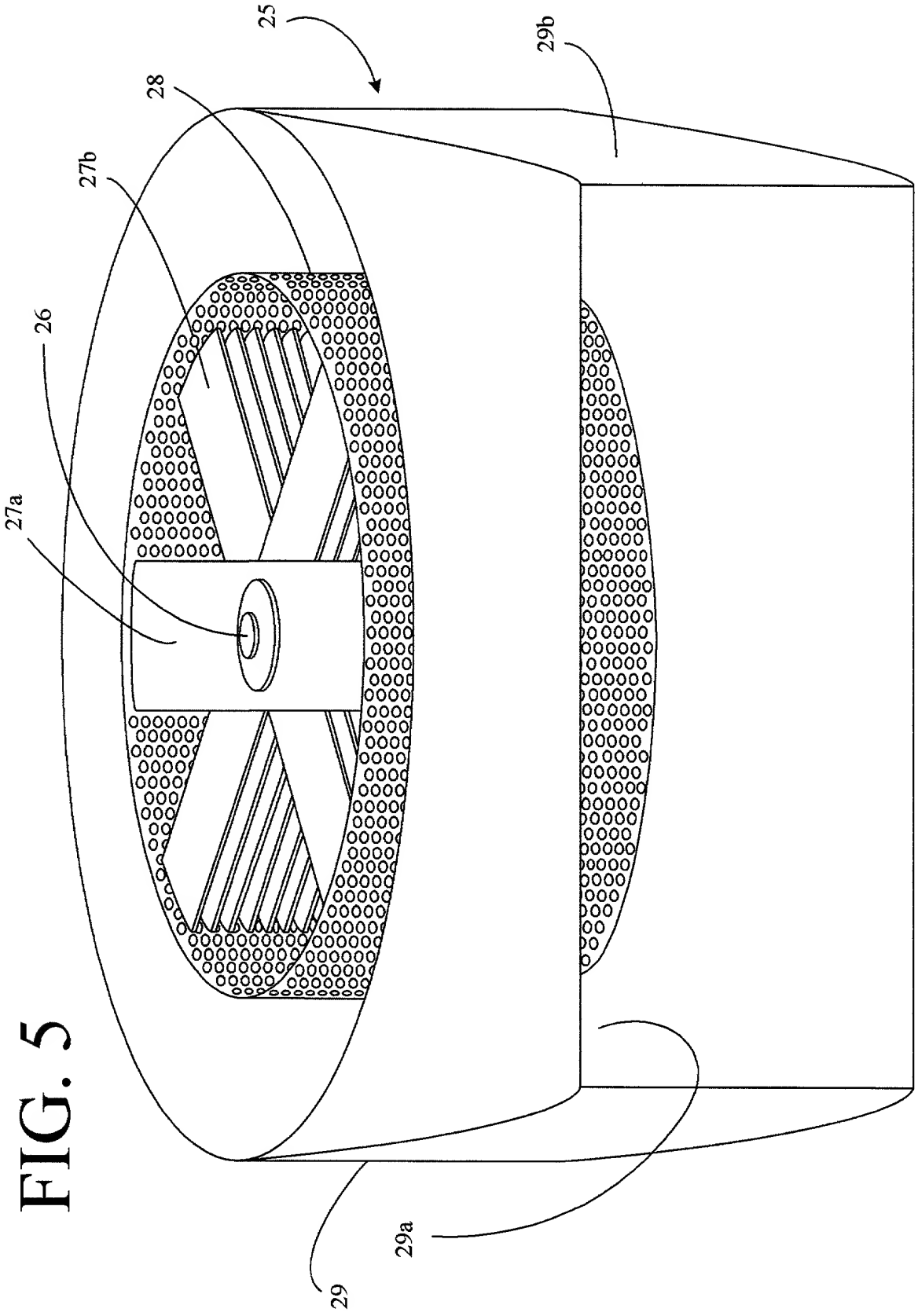


FIG. 5

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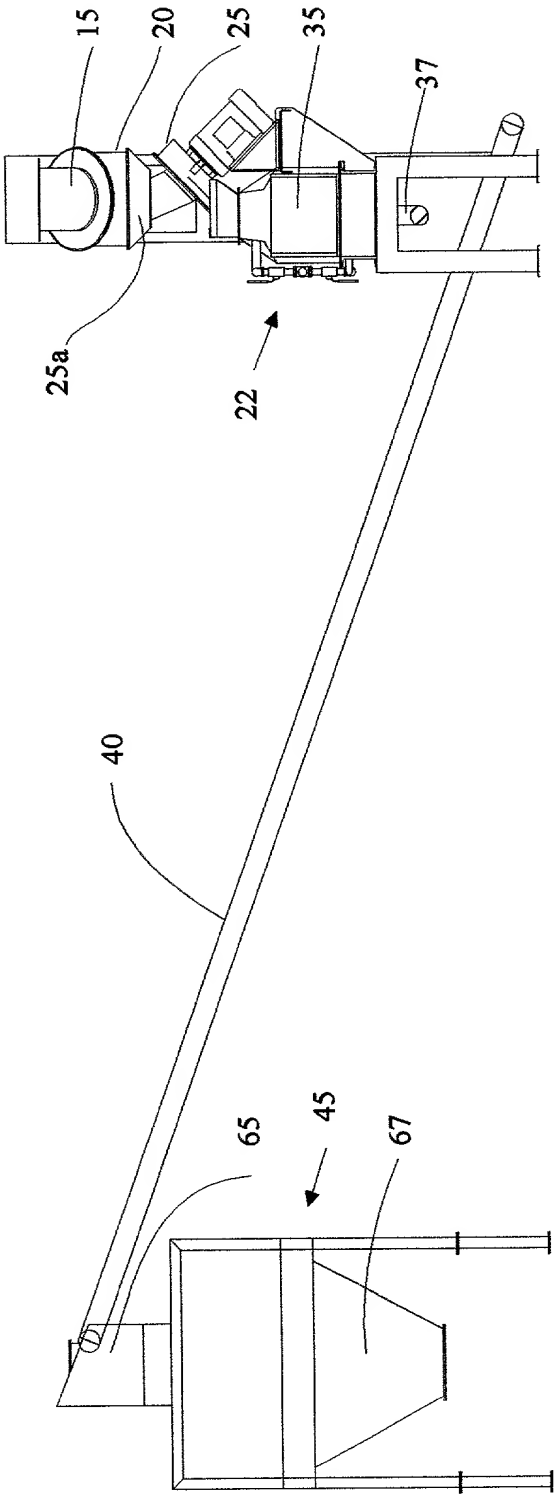
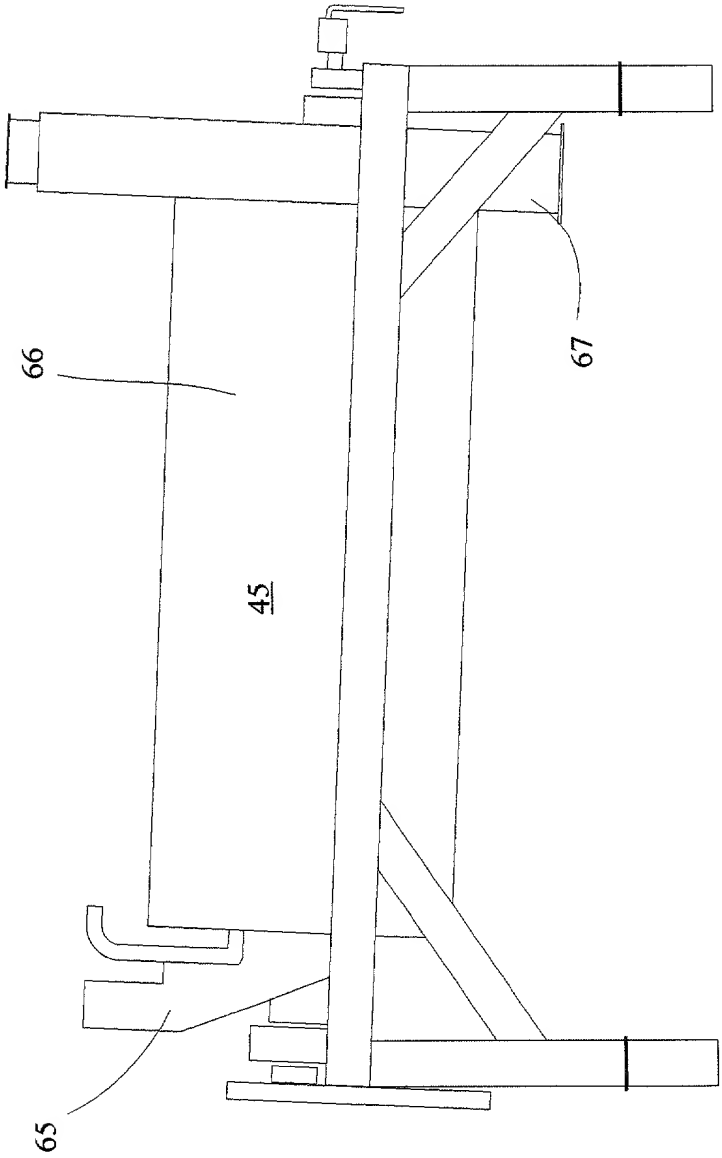
FIG. 6



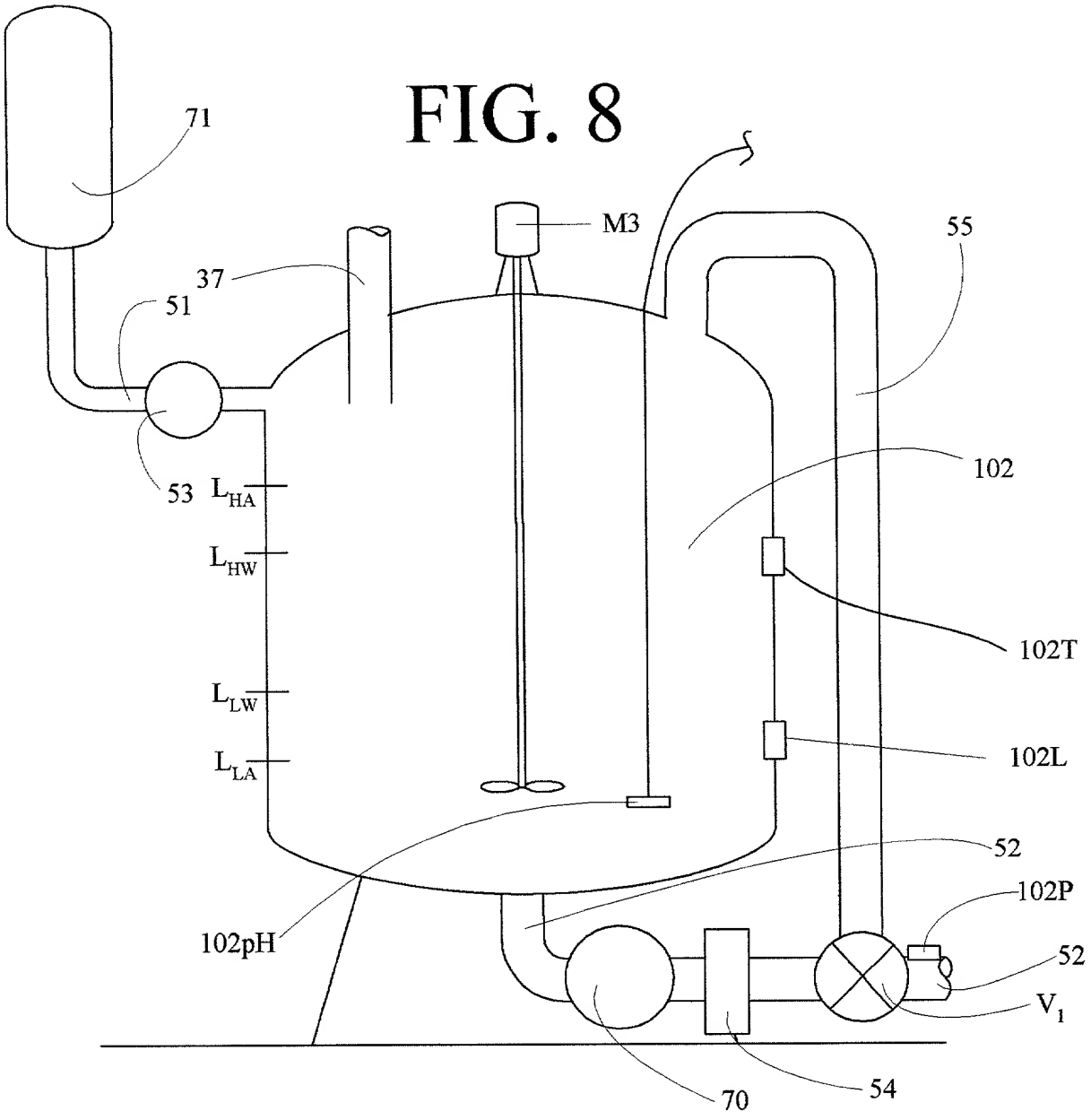
U.S. Patent Nov. 6, 2001

FIG. 7



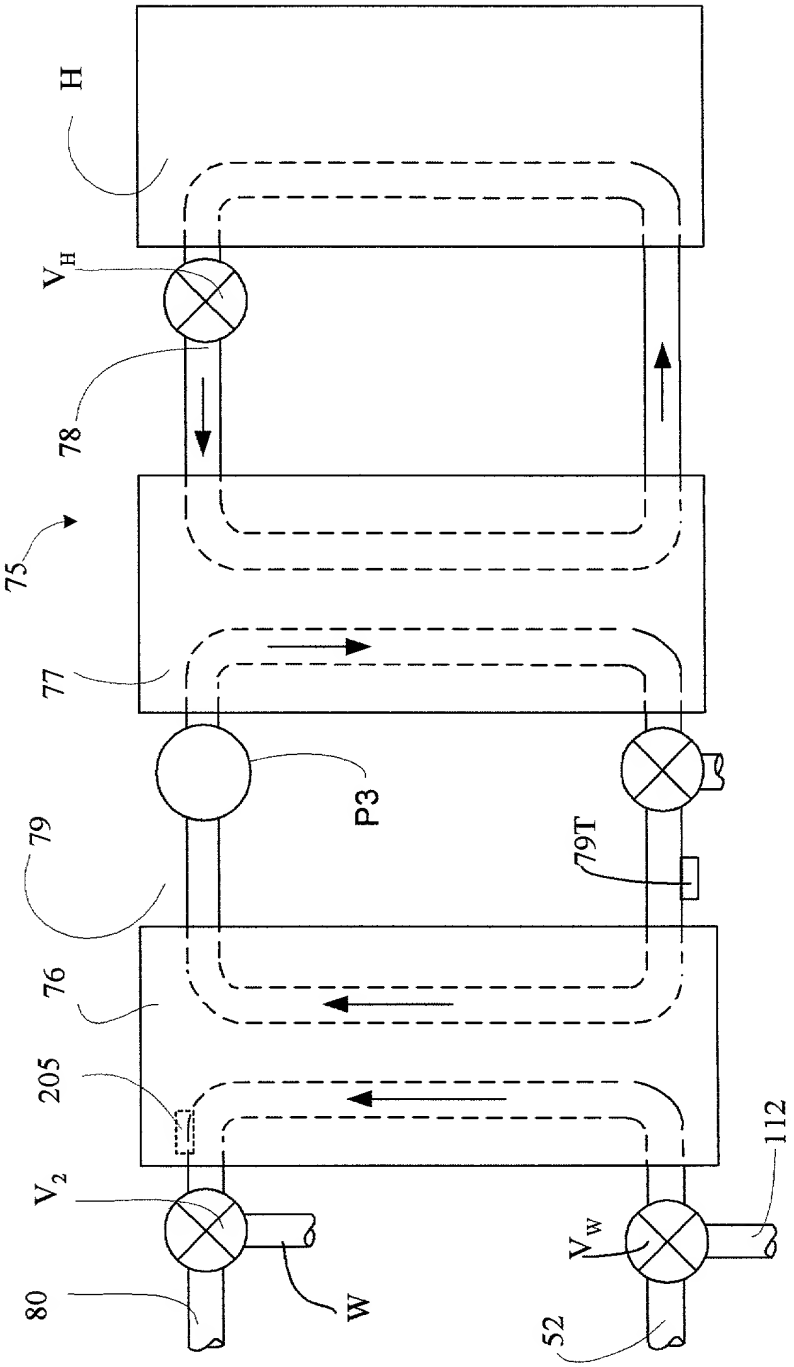
Replacement Sheet

FIG. 8



Replacement Sheet

FIG. 9



Feb. 08, 2005 09:45 AM

FIG. 10

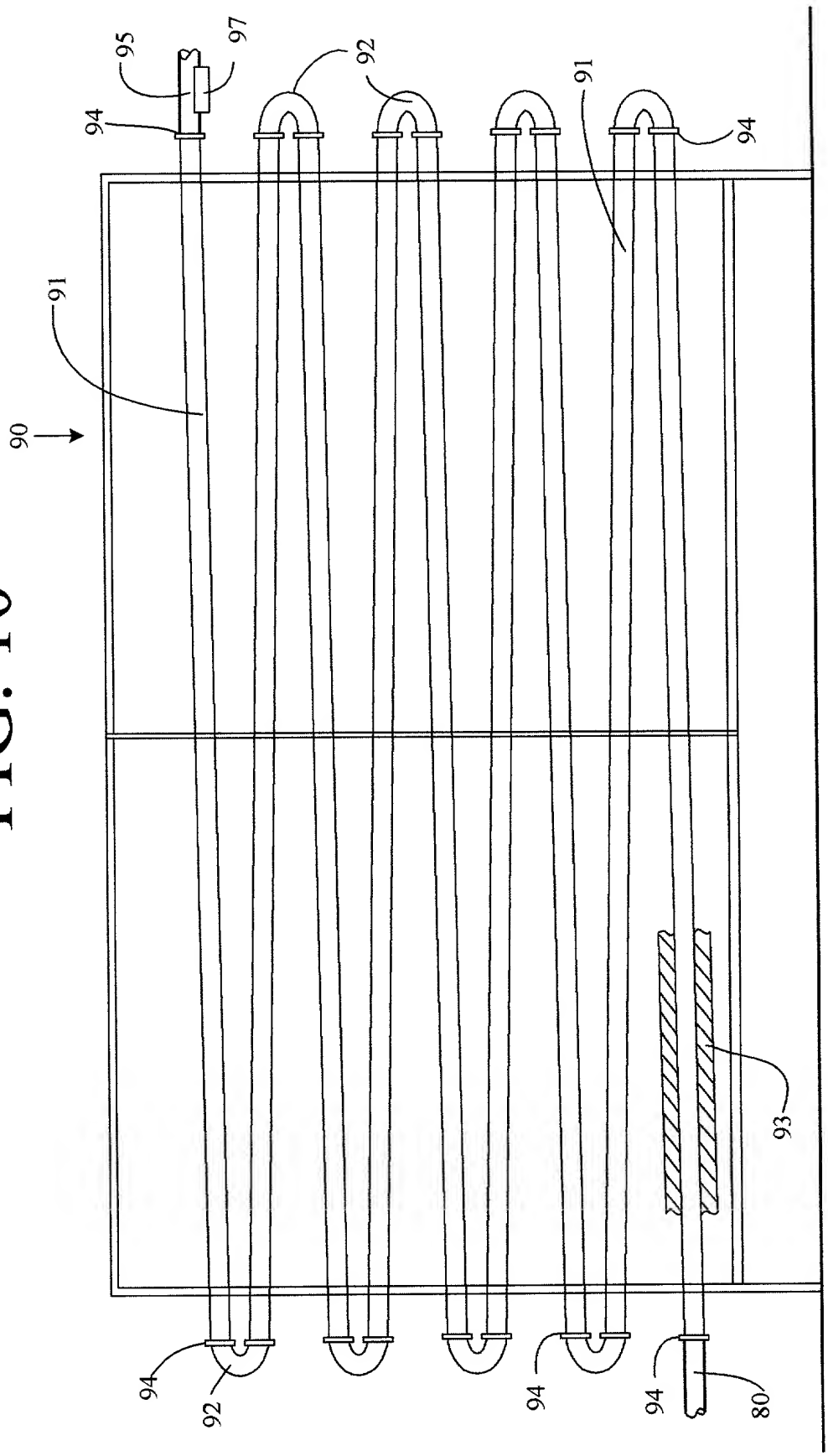


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FIG. 11

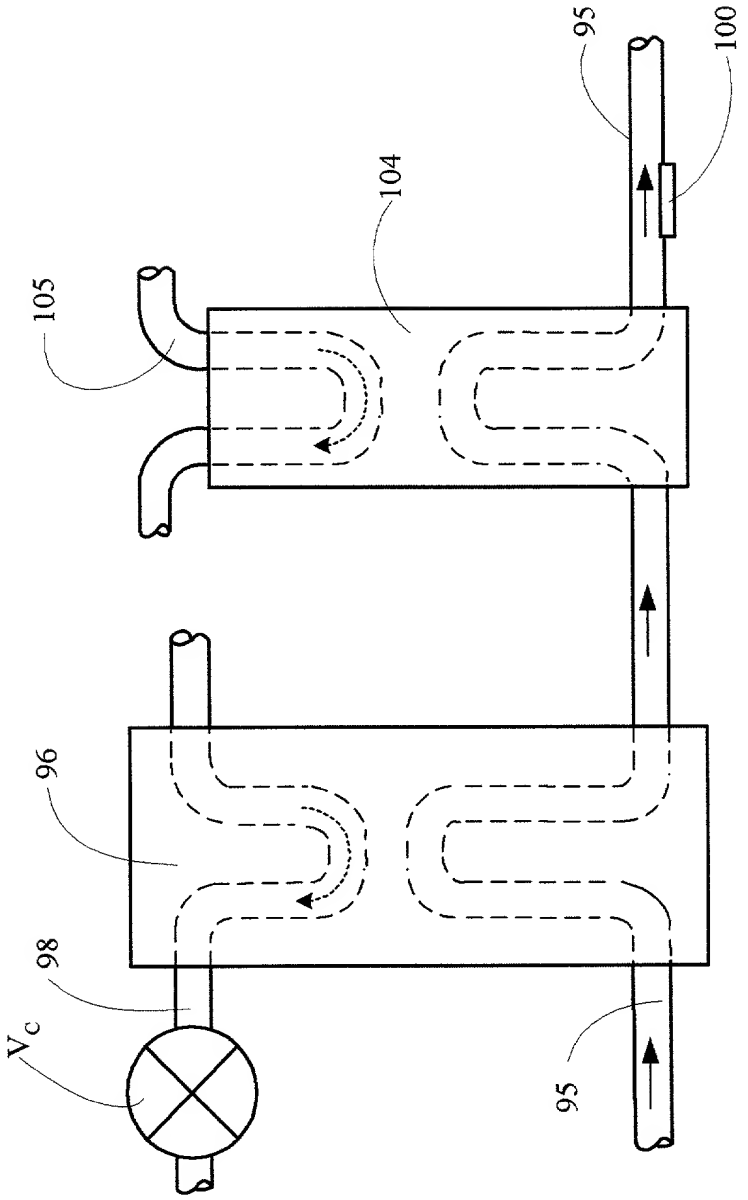

FIG. 12

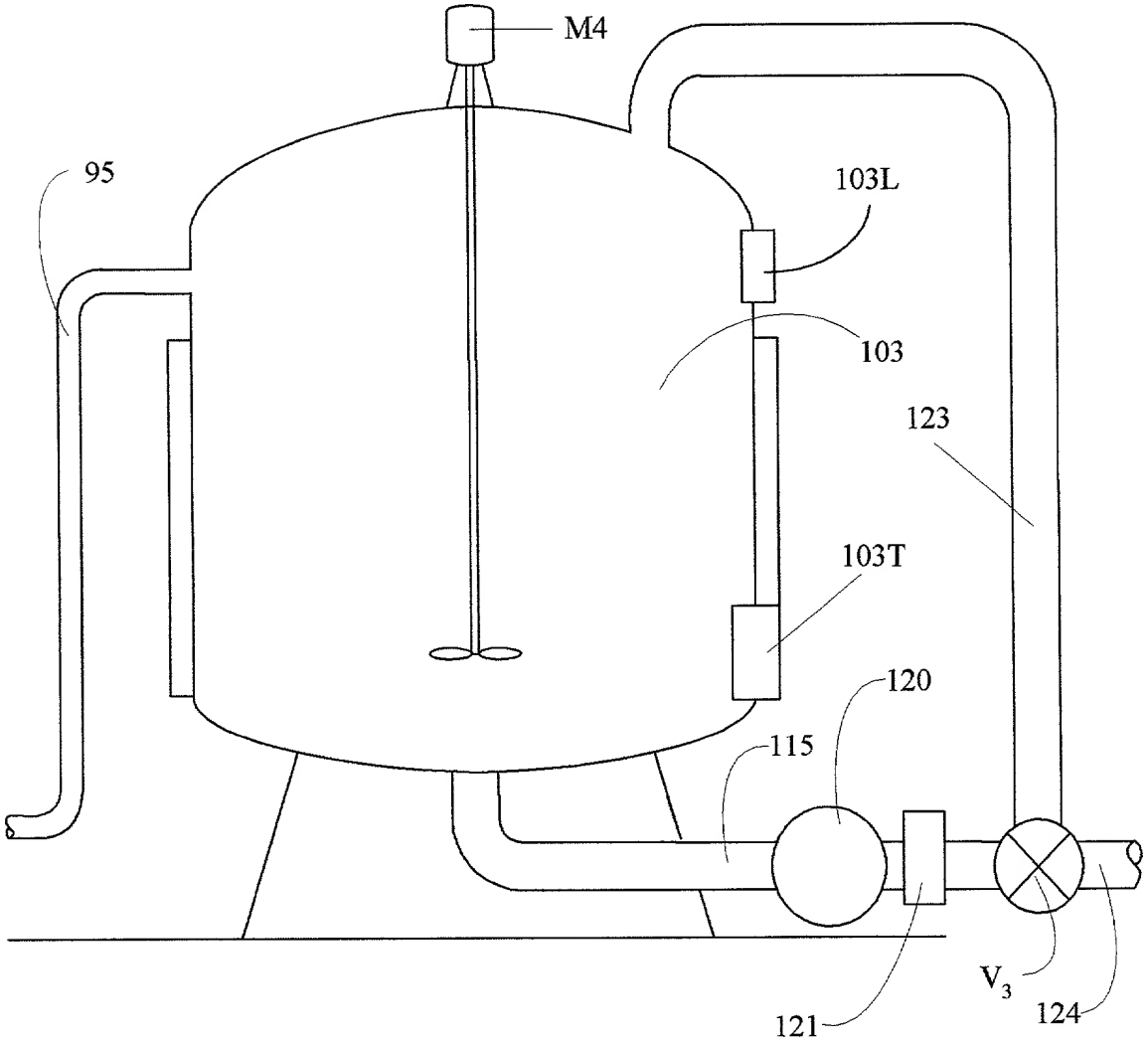

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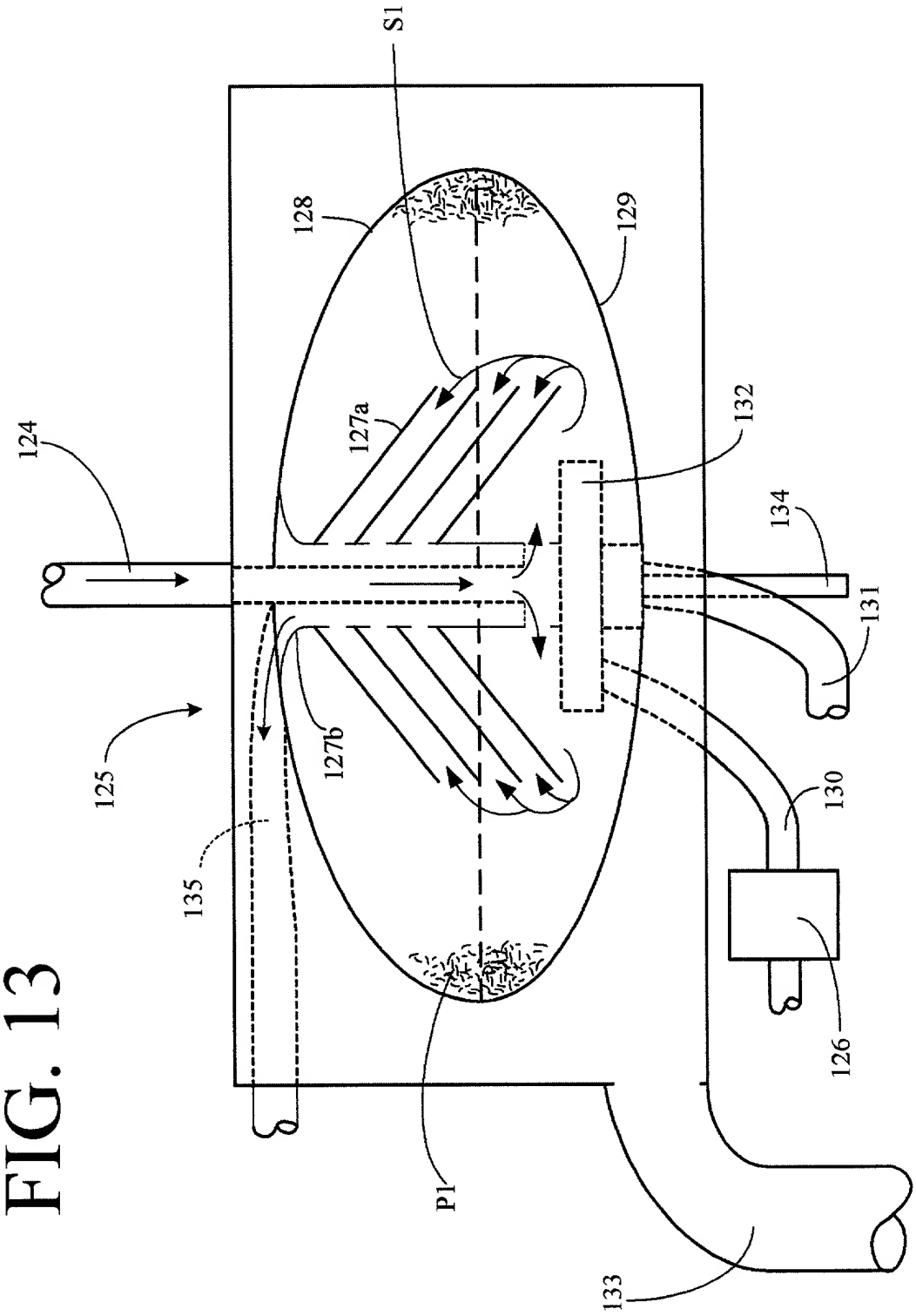
FIG. 13



EP2800656A1

FIG. 14

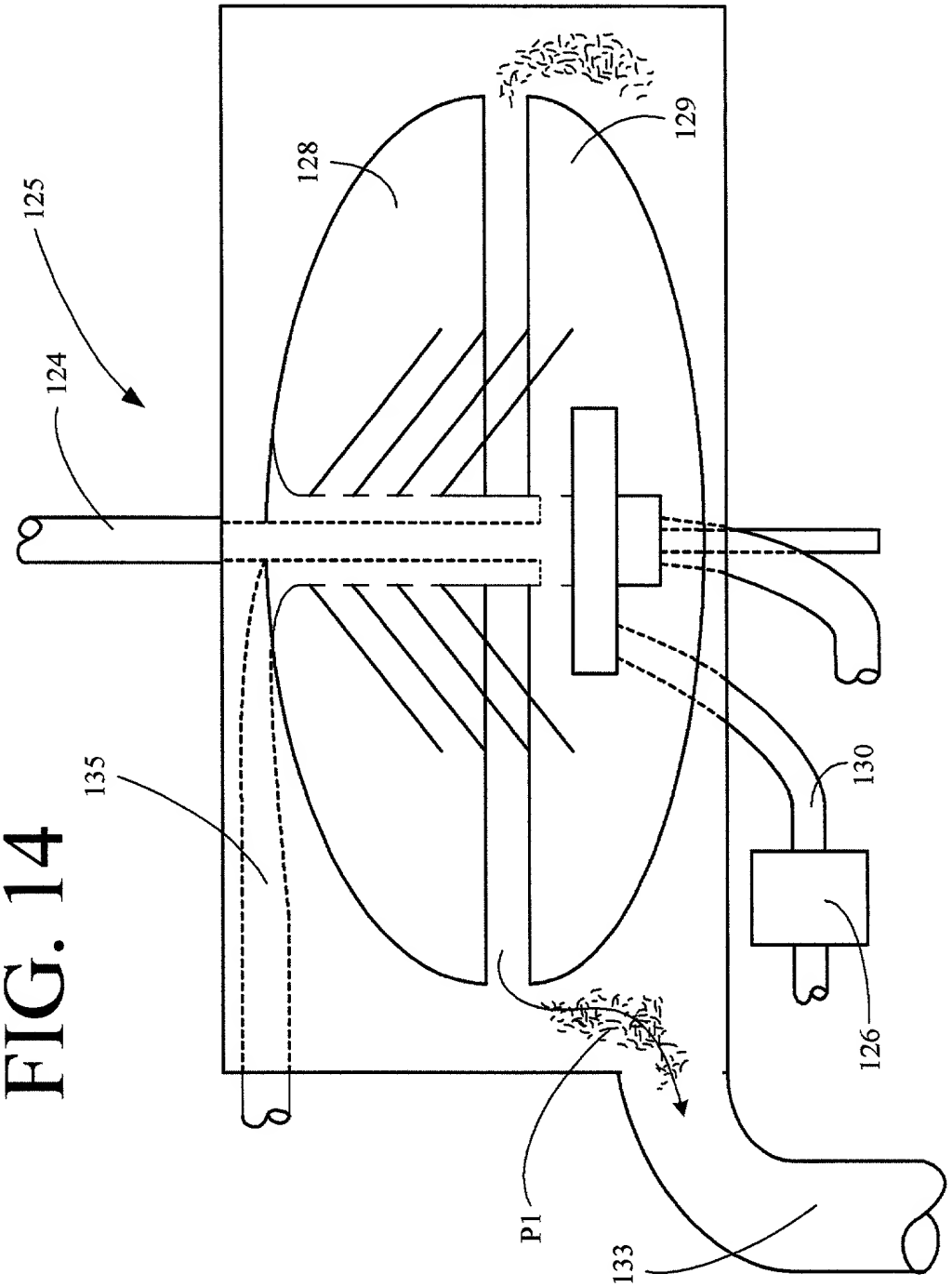
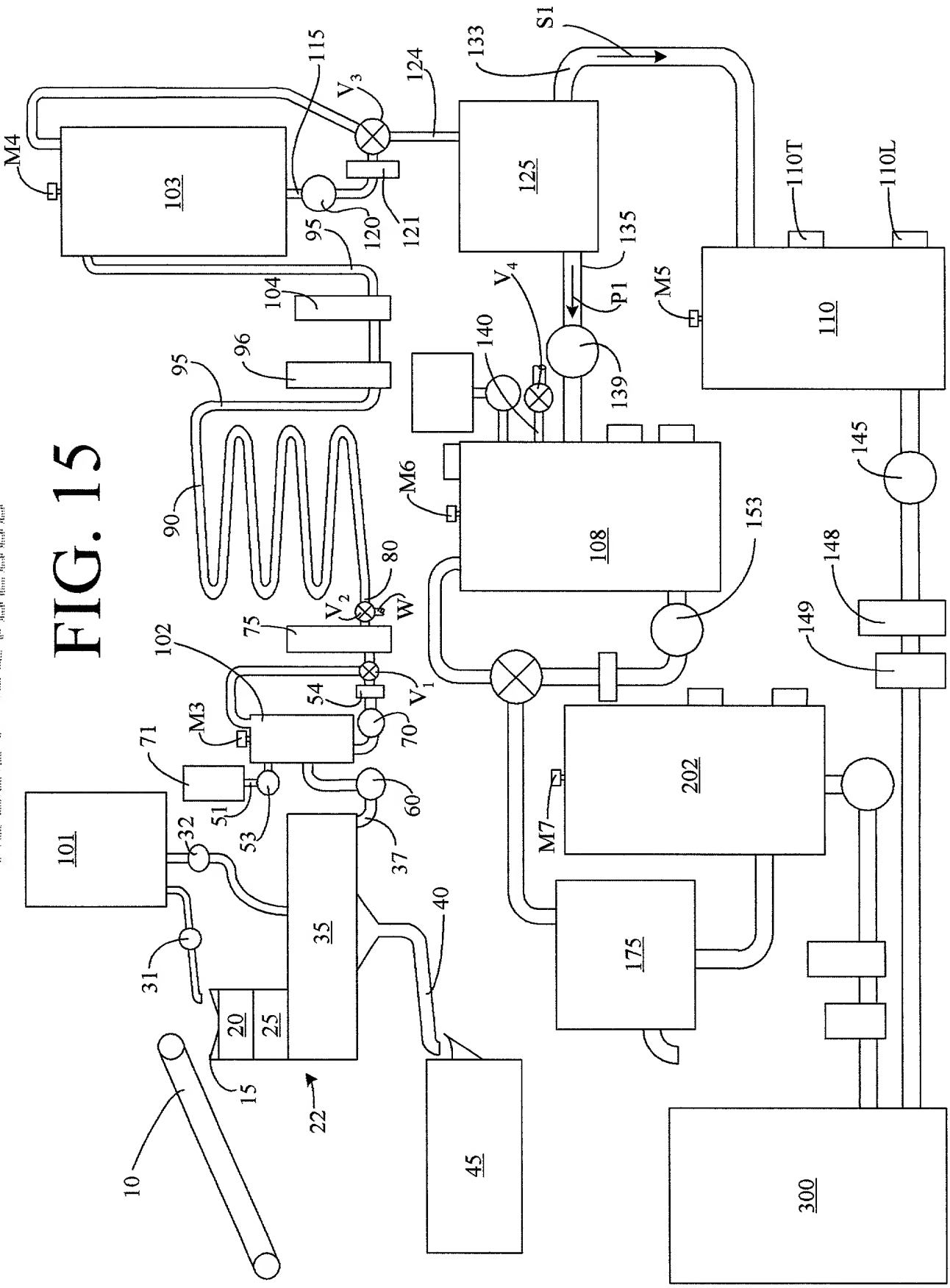


FIG. 15


101
103
125
110
108
202
175
300
45
35
20
25
22
10
15
31
32
37
40
51
53
54
60
70
71
75
80
90
95
96
102
104
115
120
121
124
133
135
139
140
145
148
149
153
M3
M4
M5
M6
M7
S1
P1
110T
110L
V_1
V_2
V_3
V_4
W

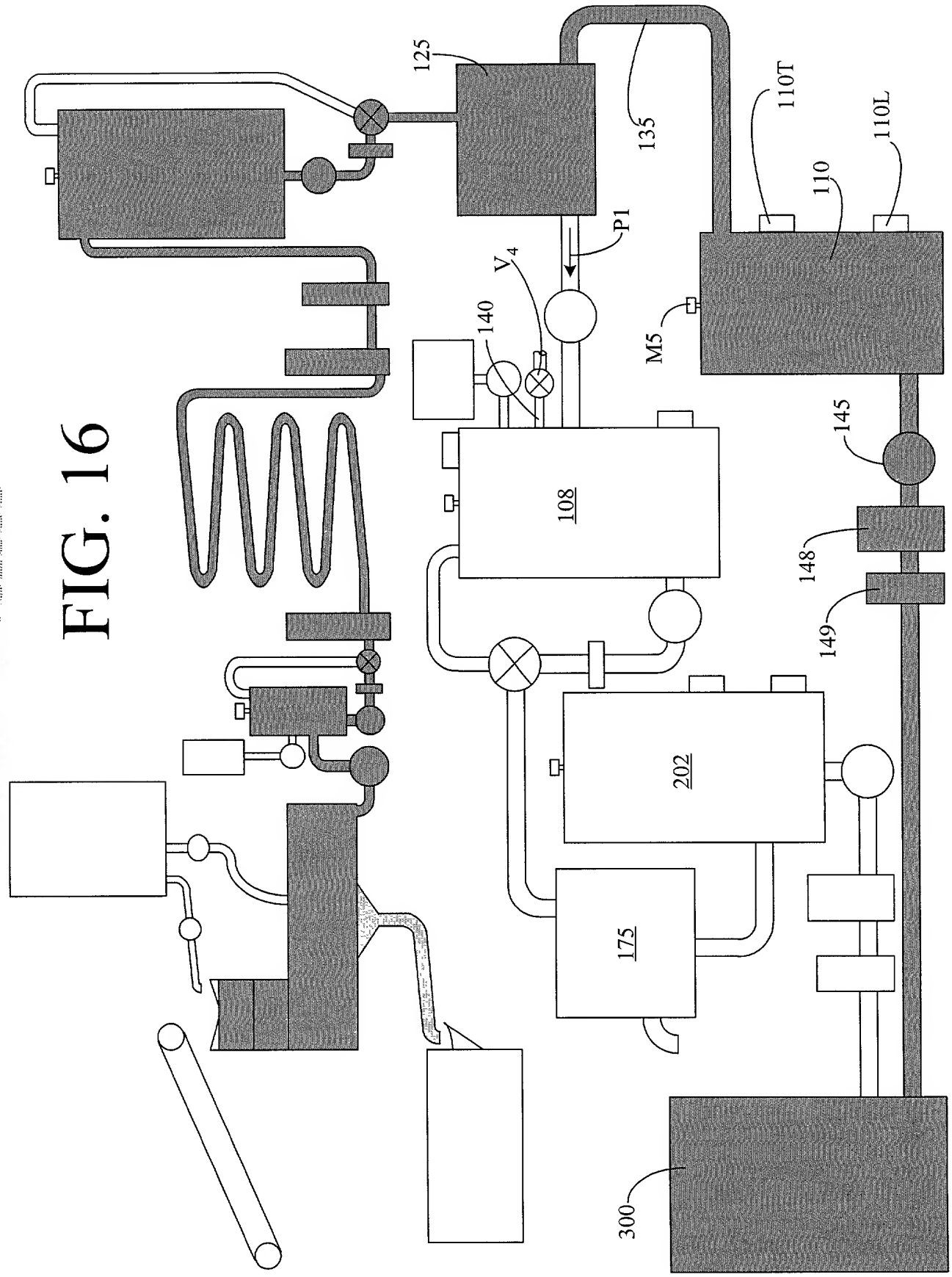


FIG. 16

FIG. 17

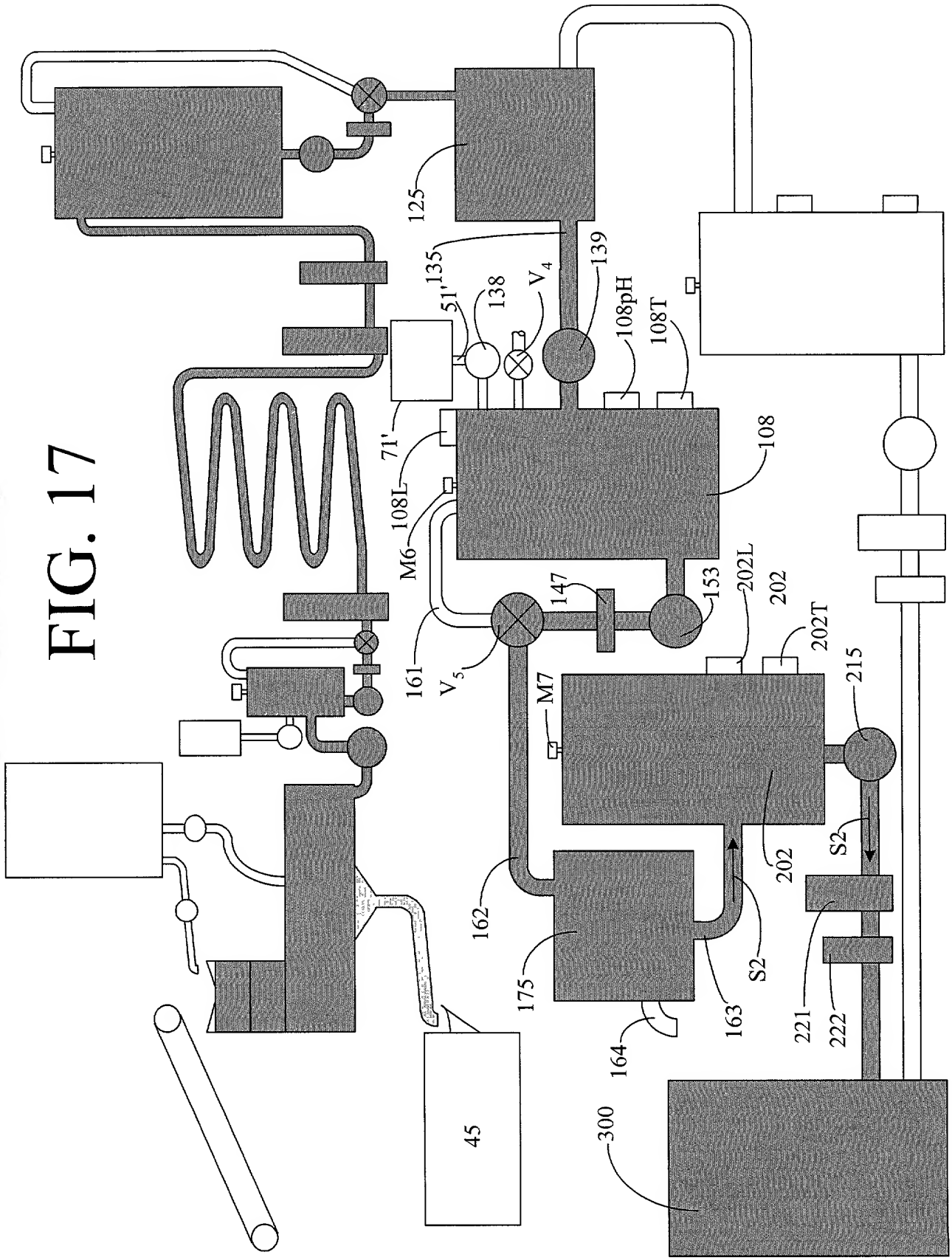

125
135
51'
138
V_4
139
108pH
108T
71'
108L
M6
108
147
153
202L
202
202T
161
V_5
M7
215
S2
162
175
163
164
221
222
300
45

FIG. 18

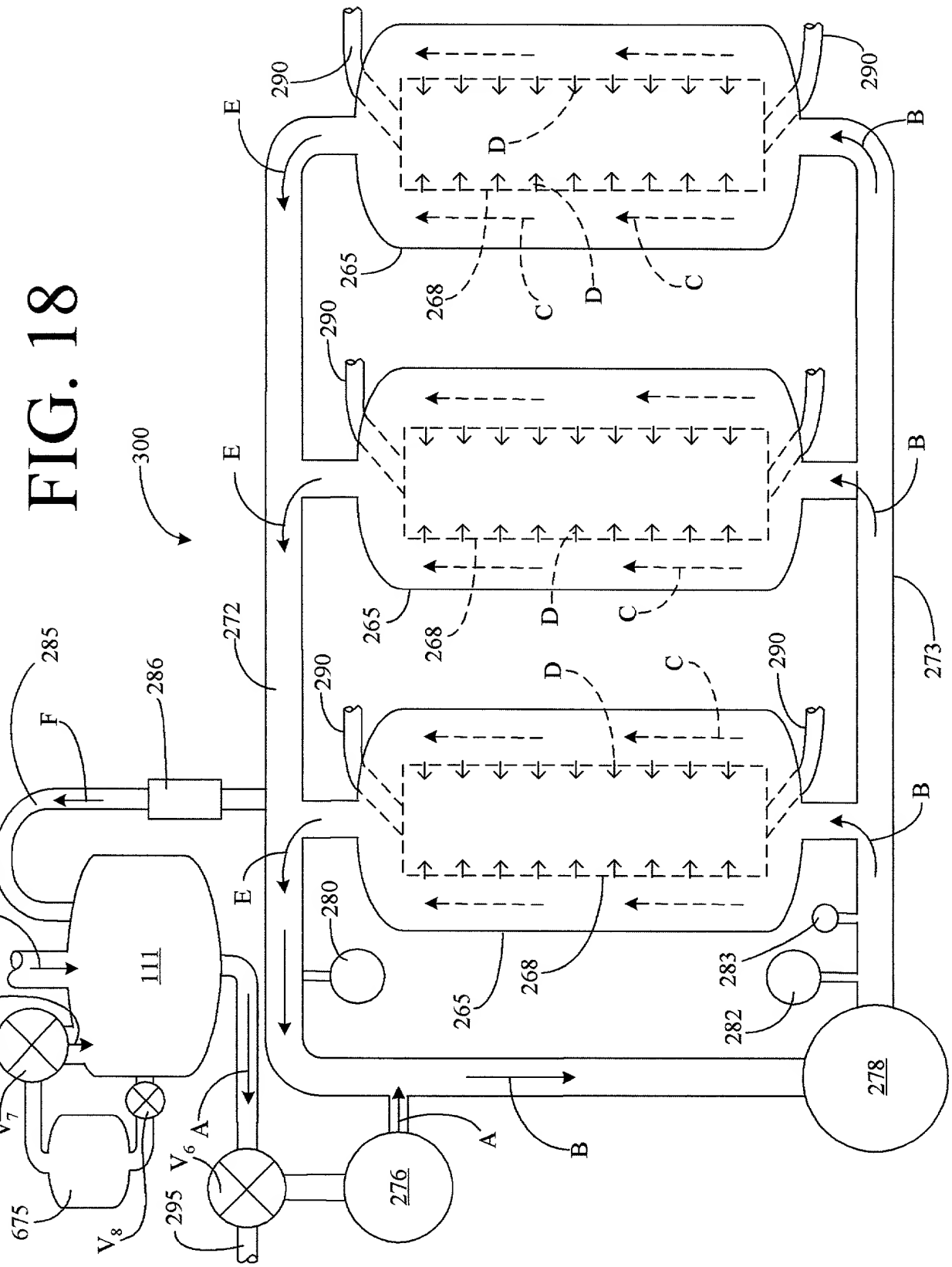
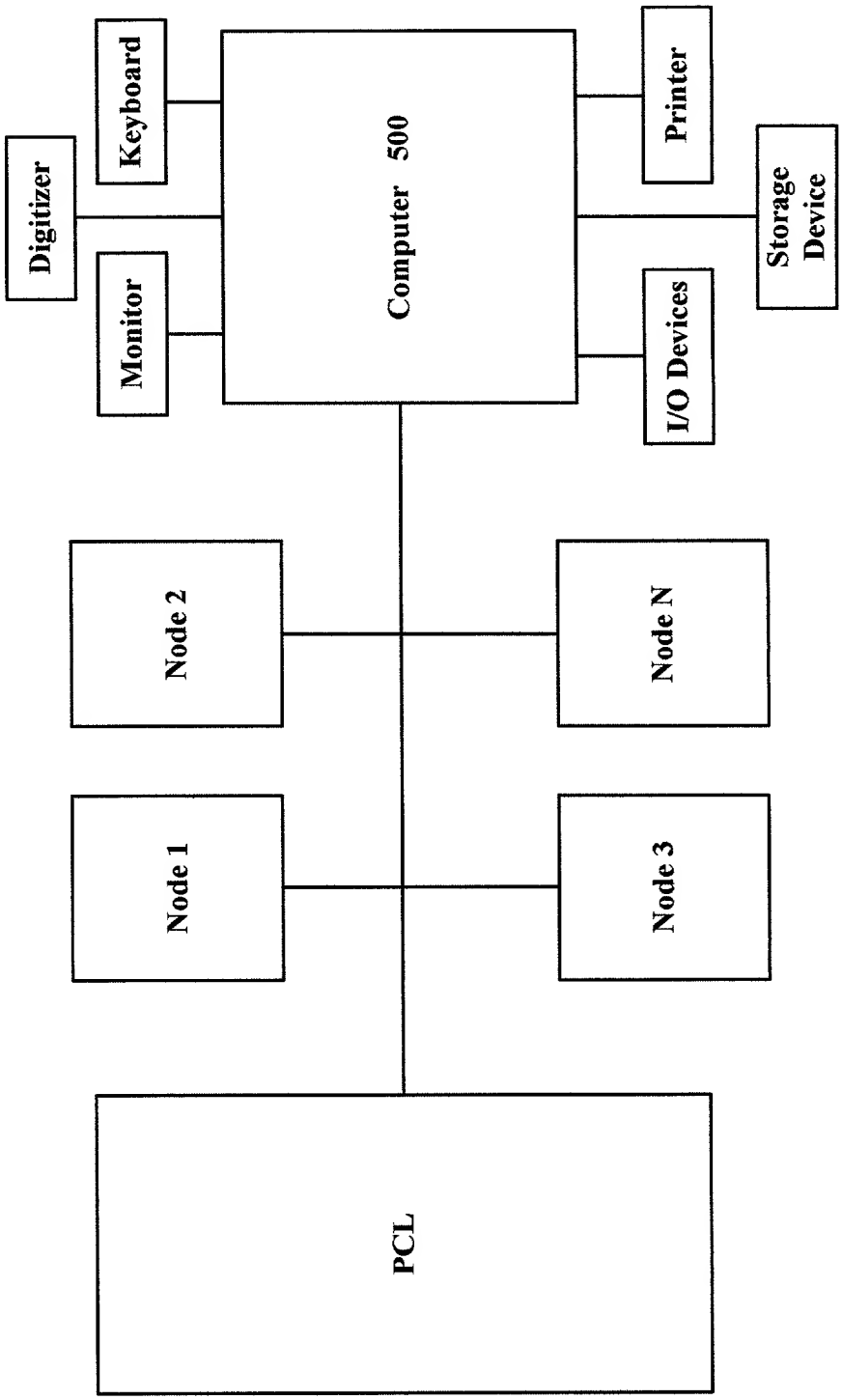

300
111
272
273
276
278
280
283
282
285
286
290
265
268
675
295
S1
S2
F
E
D
C
B
A
V_6
V_7
V_8

FIG. 19A


Digitizer
Keyboard
Monitor
Computer 500
Printer
Storage Device
I/O Devices
Node 2
Node N
Node 1
Node 3
PCL

TOP SECRET - DSTP/S/60

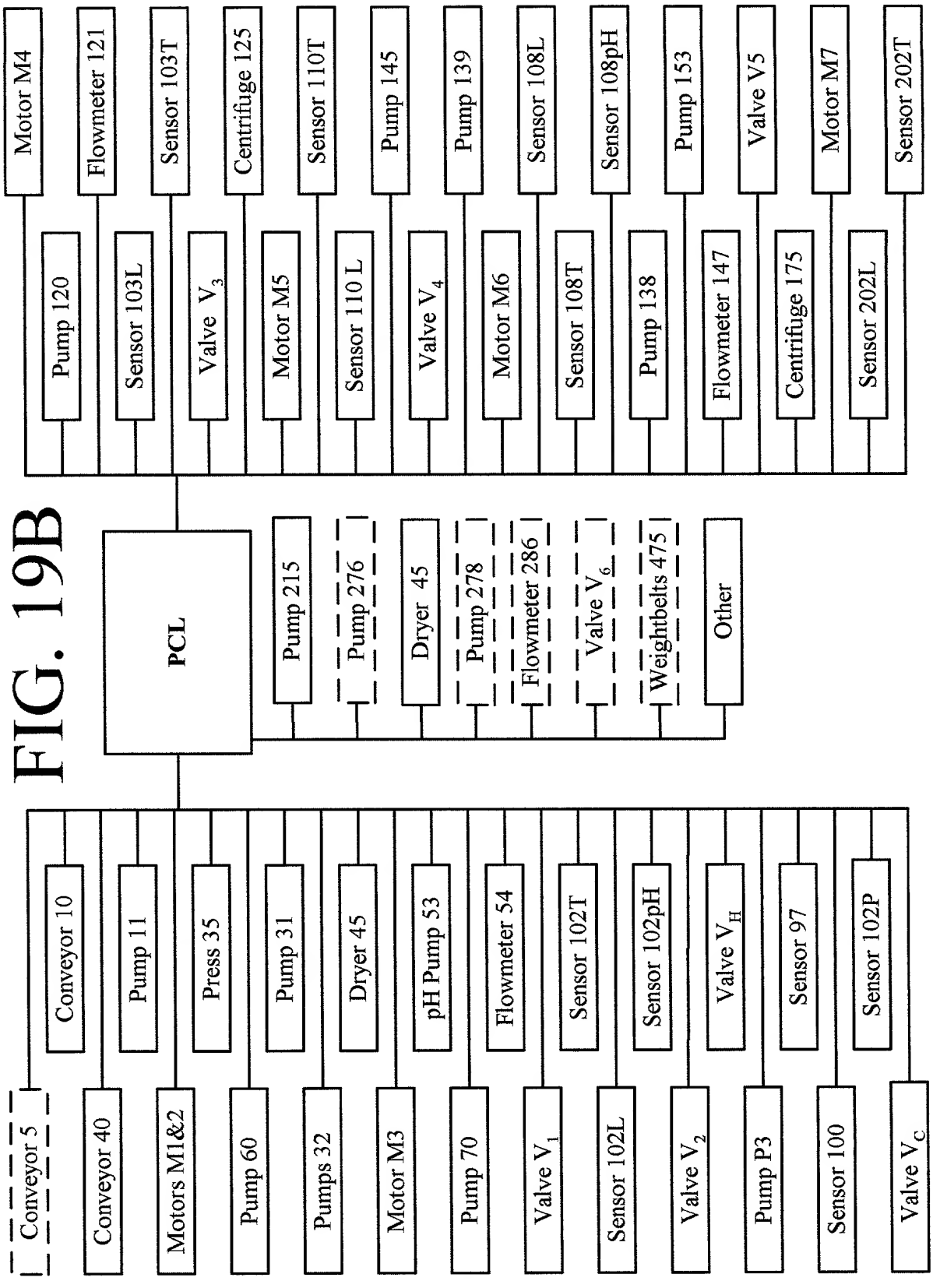


FIG. 19B

FIG. 20

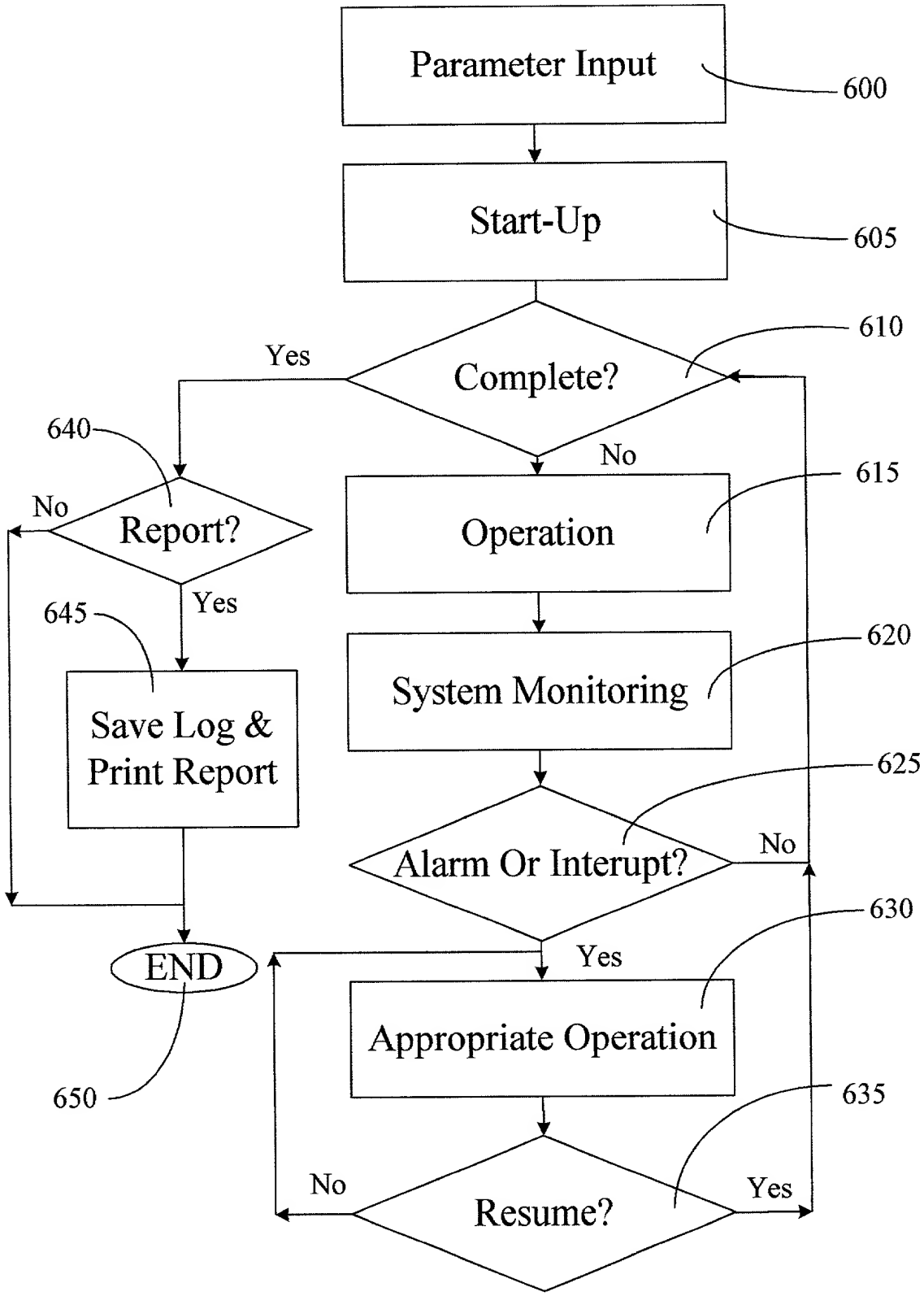

Parameter Input
600
Start-Up
605
Complete?
610
Yes
No
640
Report?
No
Yes
645
Save Log & Print Report
650
END
Operation
615
System Monitoring
620
Alarm Or Interupt?
625
No
Yes
630
Appropriate Operation
635
Resume?
No
Yes

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FIG. 21

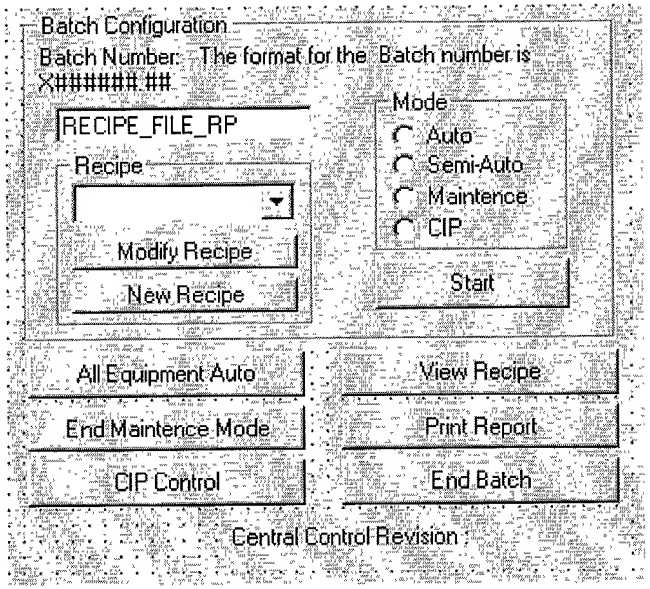

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FIG. 22

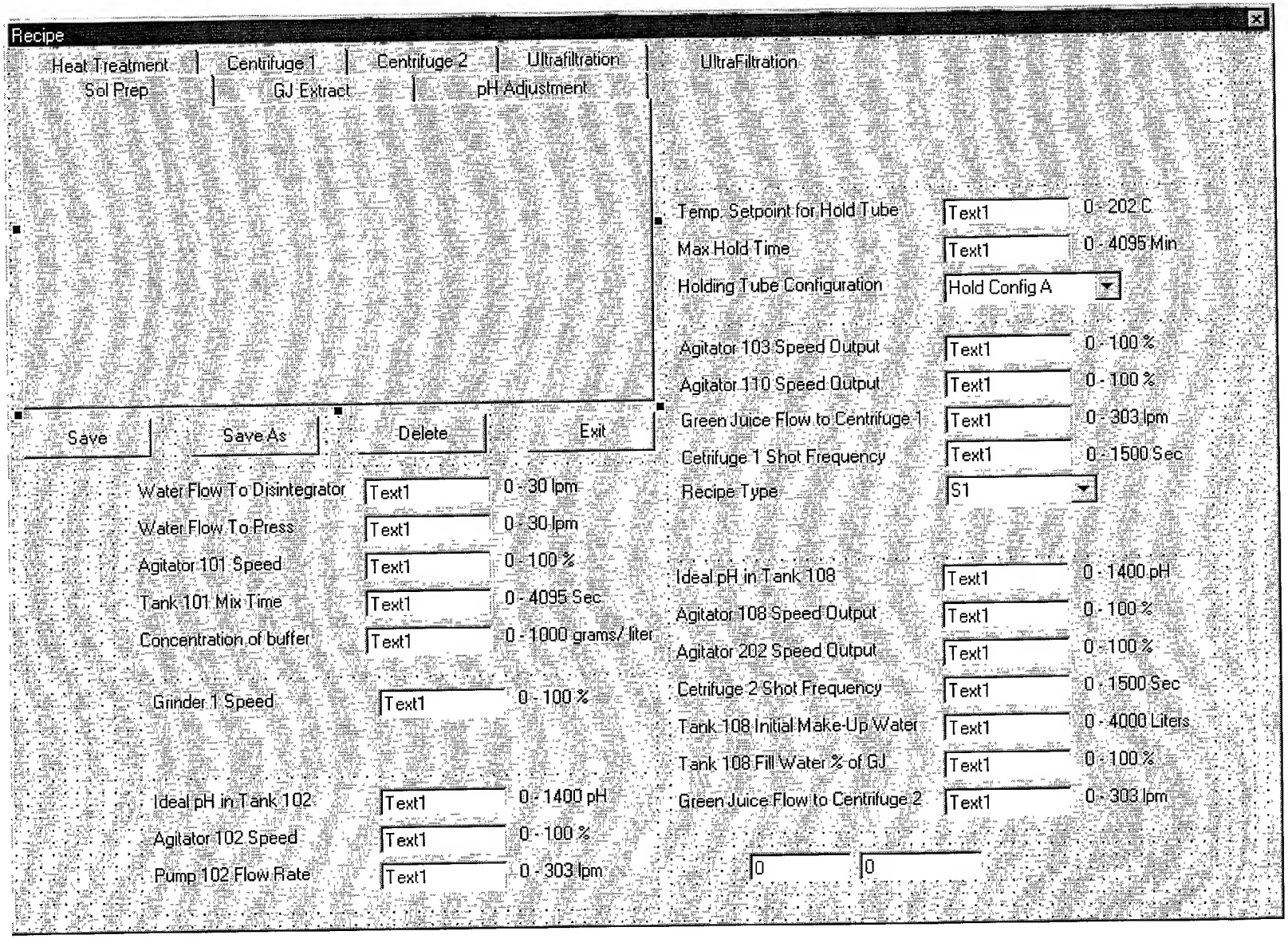

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FIG. 23

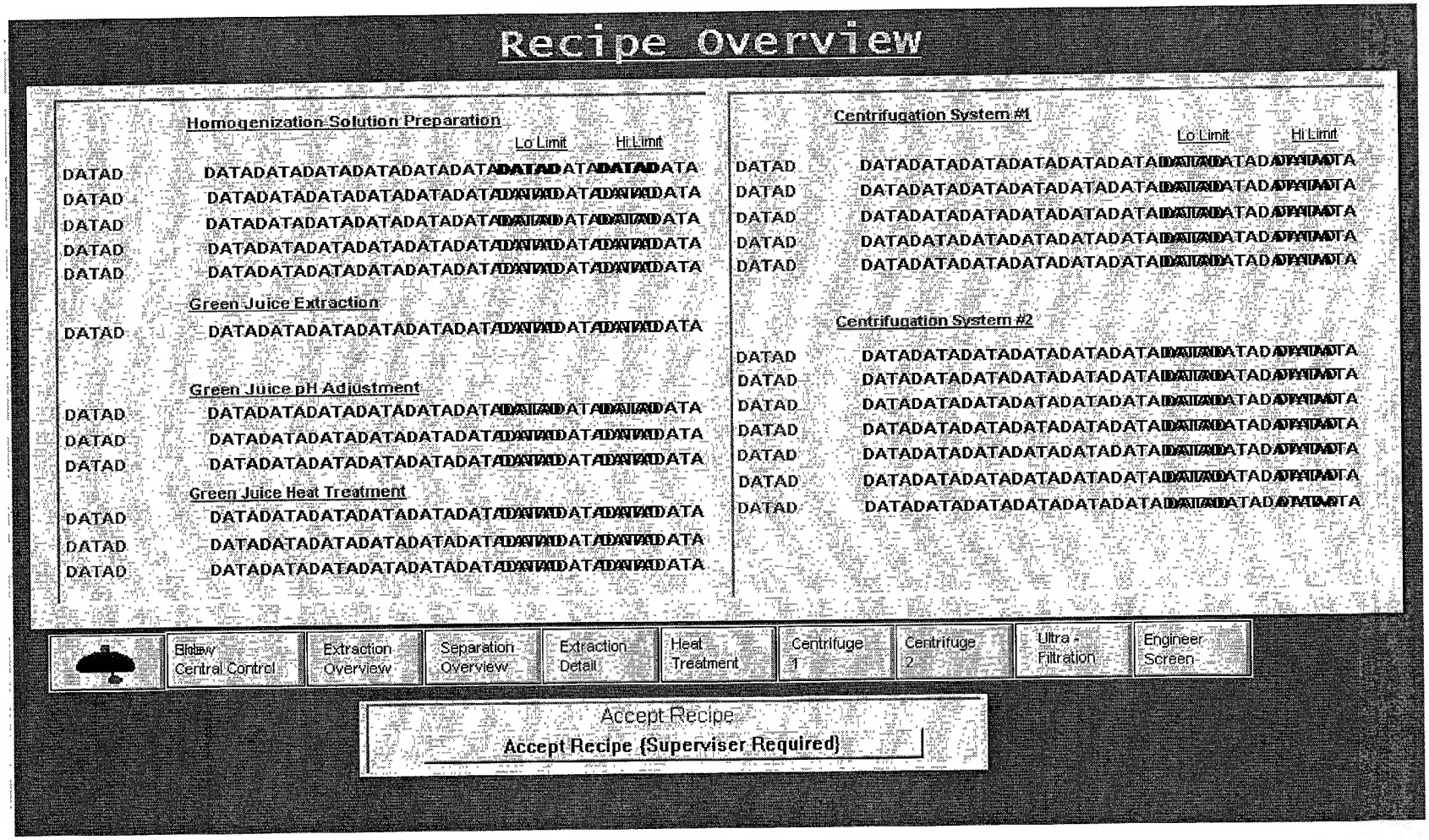
Recipe Overview
Homogenization Solution Preparation
Lo Limit
Hi Limit
DATAD
Green Juice Extraction
Green Juice pH Adjustment
Green Juice Heat Treatment
Centrifugation System #1
Centrifugation System #2
Blow Down
Central Control
Extraction Overview
Separation Overview
Extraction Detail
Heat Treatment
Centrifuge 1
Centrifuge 2
Ultra - Filtration
Engineer Screen
Accept Recipe
Accept Recipe (Superviser Required)

FIG. 24

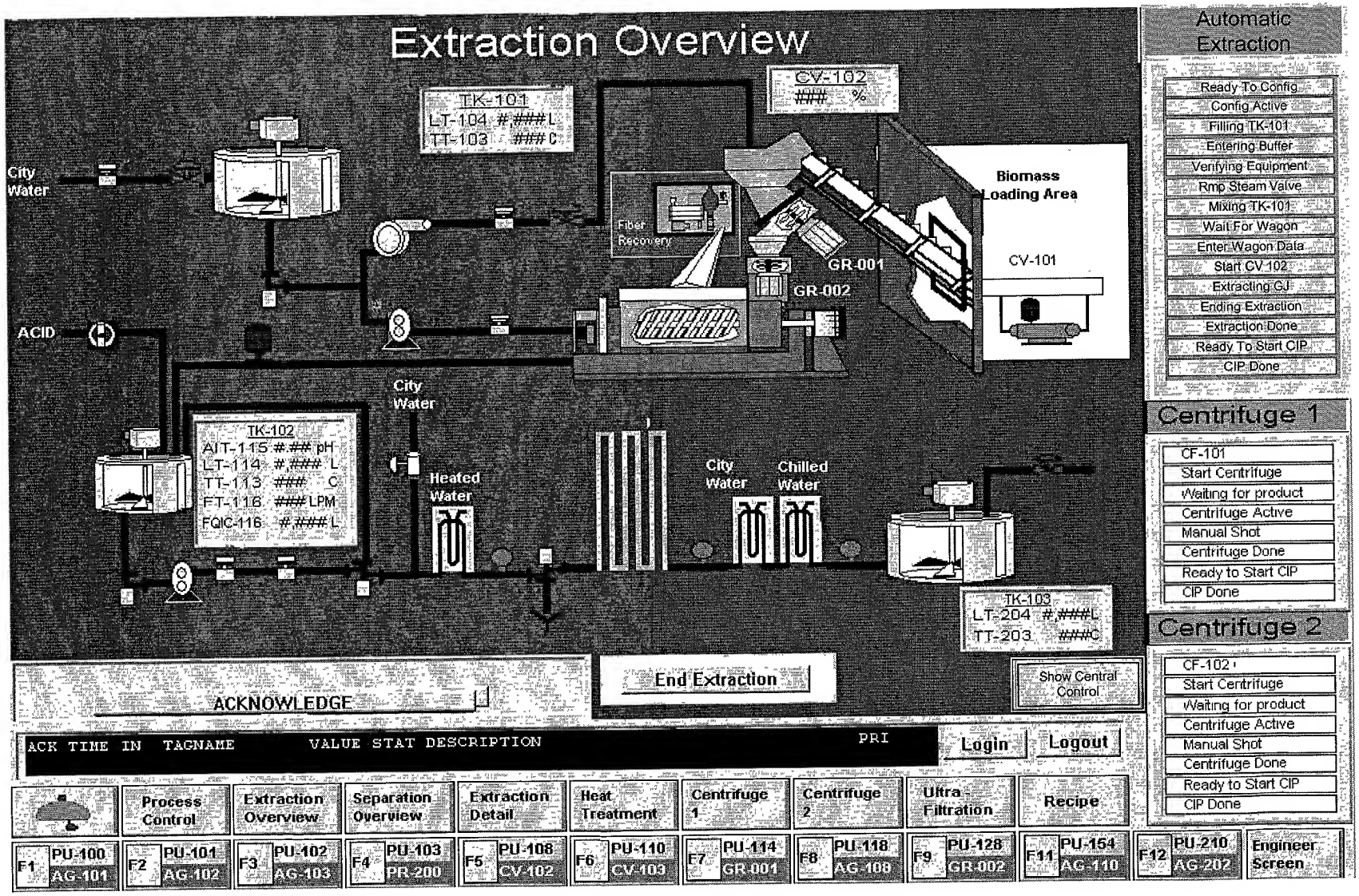
Extraction Overview
TK-101
LT-104 #,###L
TT-103 ###C
CV-102
%
City Water
Fiber Recovery
Biomass Loading Area
GR-001
GR-002
CV-101
ACID
City Water
TK-102
AIT-115 #.## pH
LT-114 #,### L
TT-113 ### C
FT-116 ### LPM
FQIC-116 #,### L
Heated Water
City Water
Chilled Water
TK-103
LT-204 #,###L
TT-203 ###C
Automatic Extraction
Ready To Config
Config Active
Filling TK-101
Entering Buffer
Verifying Equipment
Rmp Steam Valve
Mixing TK-101
Wait For Wagon
Enter Wagon Data
Start CV-102
Extracting GJ
Ending Extraction
Extraction Done
Ready To Start CIP
CIP Done
Centrifuge 1
CF-101
Start Centrifuge
Waiting for product
Centrifuge Active
Manual Shot
Centrifuge Done
Ready to Start CIP
CIP Done
Centrifuge 2
CF-102
Start Centrifuge
Waiting for product
Centrifuge Active
Manual Shot
Centrifuge Done
Ready to Start CIP
CIP Done
ACKNOWLEDGE
End Extraction
Show Central Control
ACK TIME IN TAGNAME VALUE STAT DESCRIPTION PRI
Login
Logout
Process Control
Extraction Overview
Separation Overview
Extraction Detail
Heat Treatment
Centrifuge 1
Centrifuge 2
Ultra-Filtration
Recipe
F1 PU-100 AG-101
F2 PU-101 AG-102
F3 PU-102 AG-103
F4 PU-103 PR-200
F5 PU-108 CV-102
F6 PU-110 CV-103
F7 PU-114 GR-001
F8 PU-118 AG-108
F9 PU-128 GR-002
F11 PU-154 AG-110
F12 PU-210 AG-202
Engineer Screen

FIG. 25

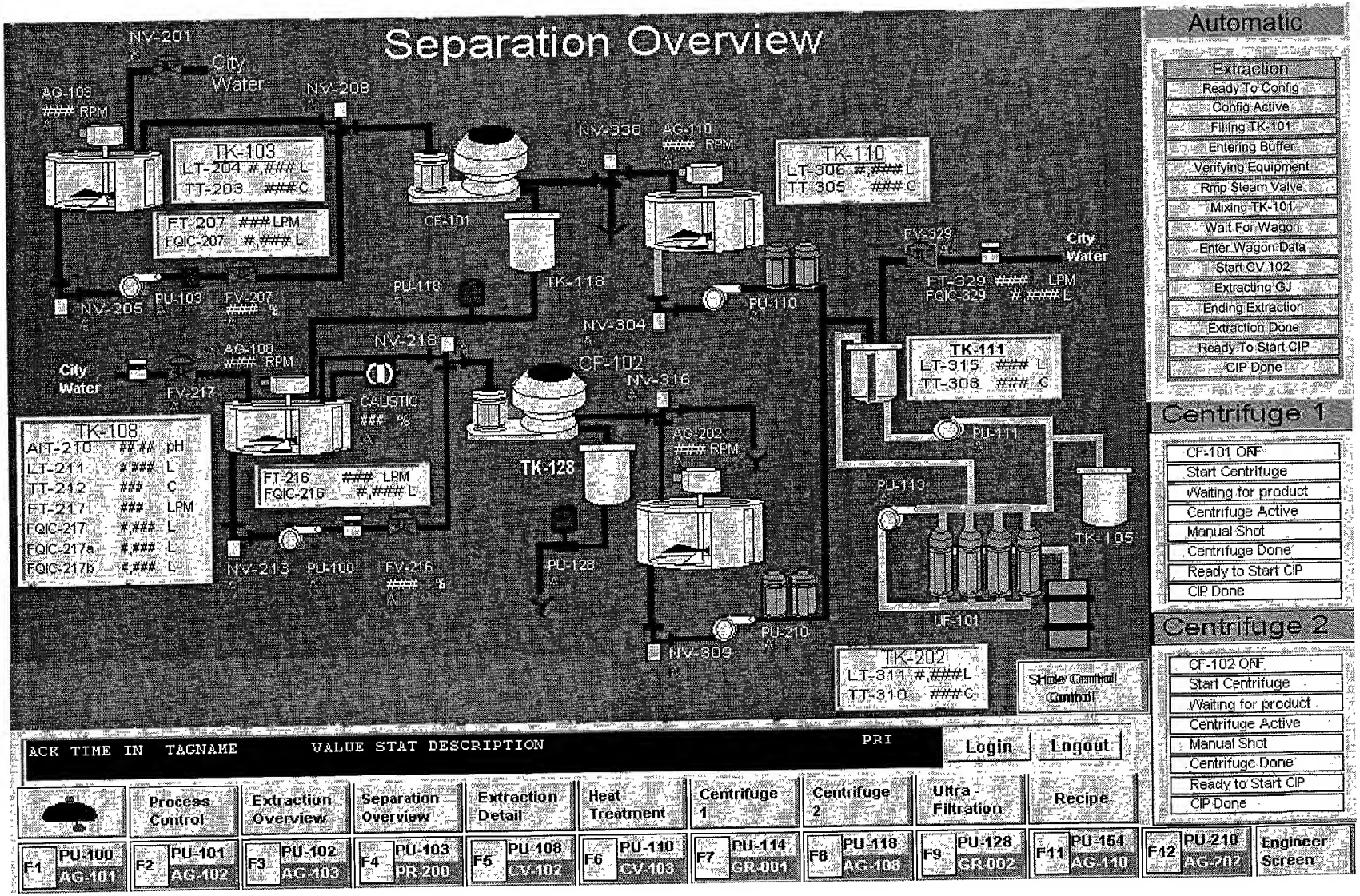
Separation Overview
NV-201
City Water
AG-103 ### RPM
NV-208
TK-103
LT-204 #,###L
TT-203 ###C
FT-207 ###LPM
FQIC-207 #,###L
CF-101
NV-338
AG-110 #### RPM
TK-110
LT-306 #,###L
TT-305 ###C
FV-329
City Water
FT-329 ### LPM
FQIC-329 #,###L
NV-205
PU-103
FV-207 ### %
PU-118
TK-118
NV-304
PU-110
NV-218
AG-108 #### RPM
City Water
FV-217
CF-102
NV-316
TK-111
LT-315 ### L
TT-308 ### C
PU-111
CAUSTIC ### %
TK-108
AIT-210 ##.## pH
LT-211 #,### L
TT-212 ### C
FT-217 ### LPM
FQIC-217 #,### L
FQIC-217a #,### L
FQIC-217b #,### L
FT-216 ### LPM
FQIC-216 #,### L
TK-128
AG-202 ### RPM
PU-113
TK-105
NV-213
PU-108
FV-216 ### %
PU-128
UF-101
PU-210
NV-309
TK-202
LT-311 #,###L
TT-310 ###C
Slide Control Cabinet
ACK TIME IN TAGNAME VALUE STAT DESCRIPTION PRI
Login
Logout
Automatic
Extraction
Ready To Config
Config Active
Filling TK-101
Entering Buffer
Verifying Equipment
Rmp Steam Valve
Mixing TK-101
Wait For Wagon
Enter Wagon Data
Start CV-102
Extracting GJ
Ending Extraction
Extraction Done
Ready To Start CIP
CIP Done
Centrifuge 1
CF-101 OFF
Start Centrifuge
Waiting for product
Centrifuge Active
Manual Shot
Centrifuge Done
Ready to Start CIP
CIP Done
Centrifuge 2
CF-102 OFF
Start Centrifuge
Waiting for product
Centrifuge Active
Manual Shot
Centrifuge Done
Ready to Start CIP
CIP Done
Process Control
Extraction Overview
Separation Overview
Extraction Detail
Heat Treatment
Centrifuge 1
Centrifuge 2
Ultra-Filtration
Recipe
F1 PU-100 AG-101
F2 PU-101 AG-102
F3 PU-102 AG-103
F4 PU-103 PR-200
F5 PU-108 CV-102
F6 PU-110 CV-103
F7 PU-114 GR-001
F8 PU-118 AG-108
F9 PU-128 GR-002
F11 PU-154 AG-110
F12 PU-210 AG-202
Engineer Screen

FIG. 26

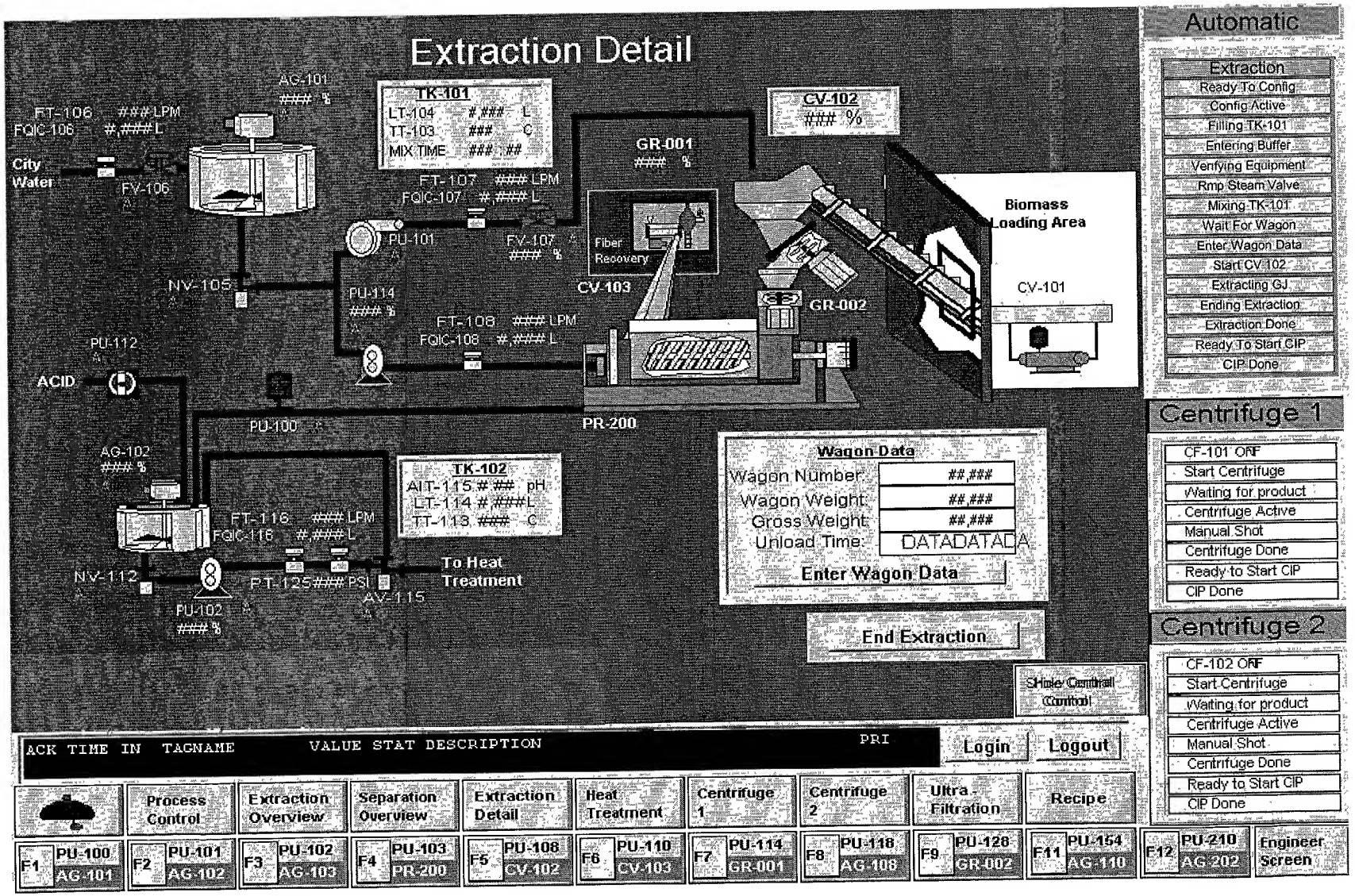

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FIG. 27

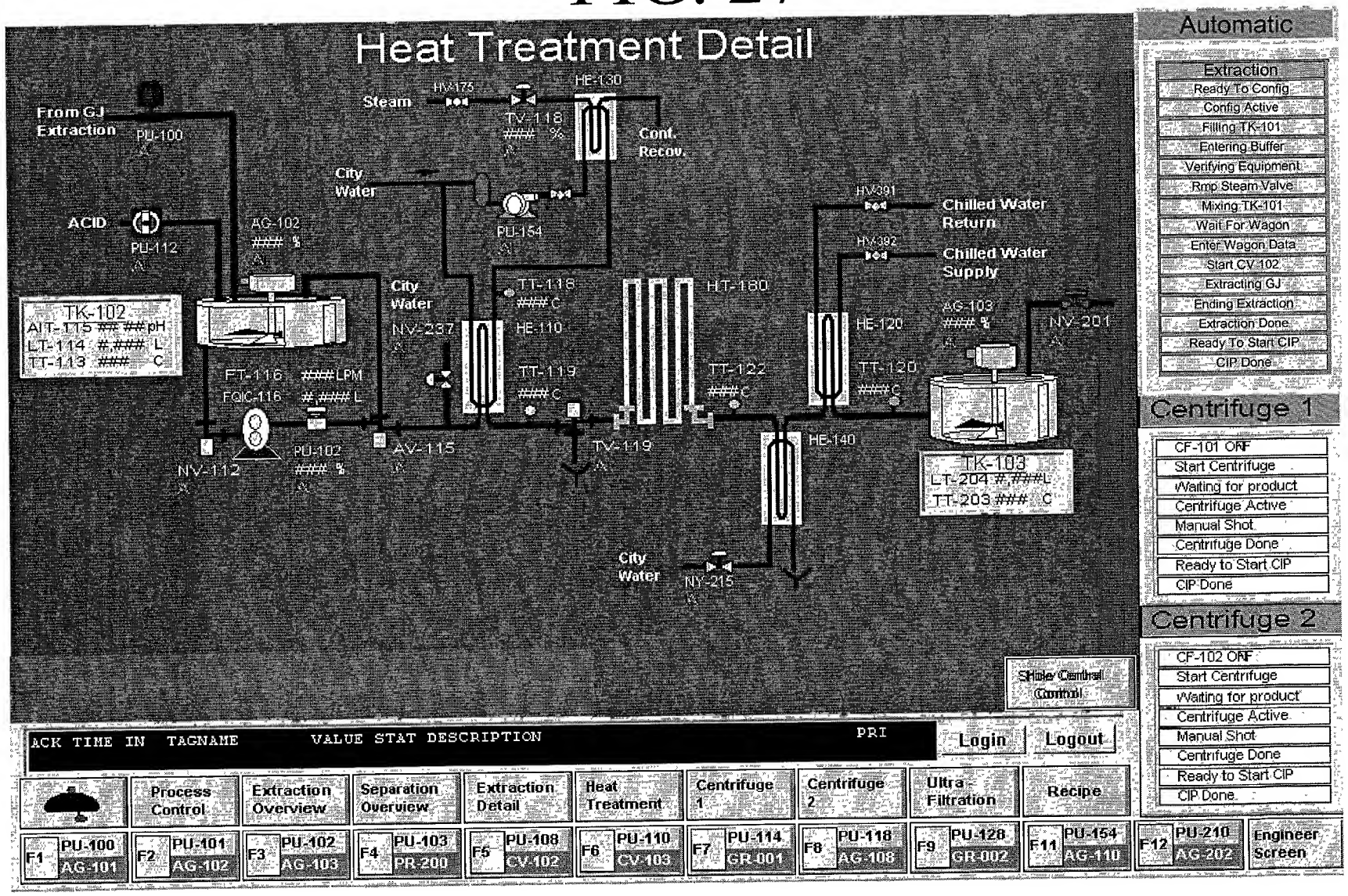

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FIG. 28

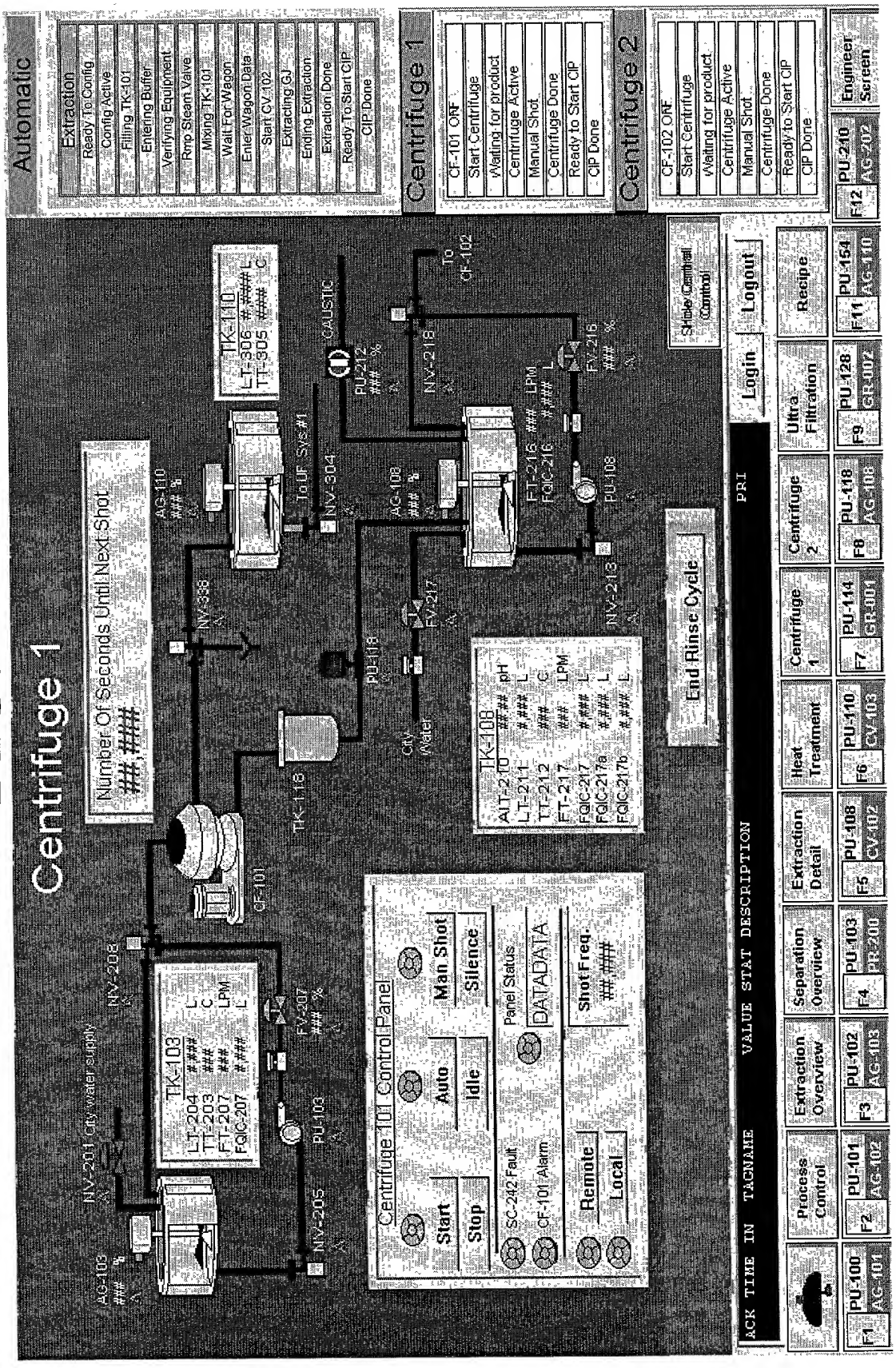

FIG. 29

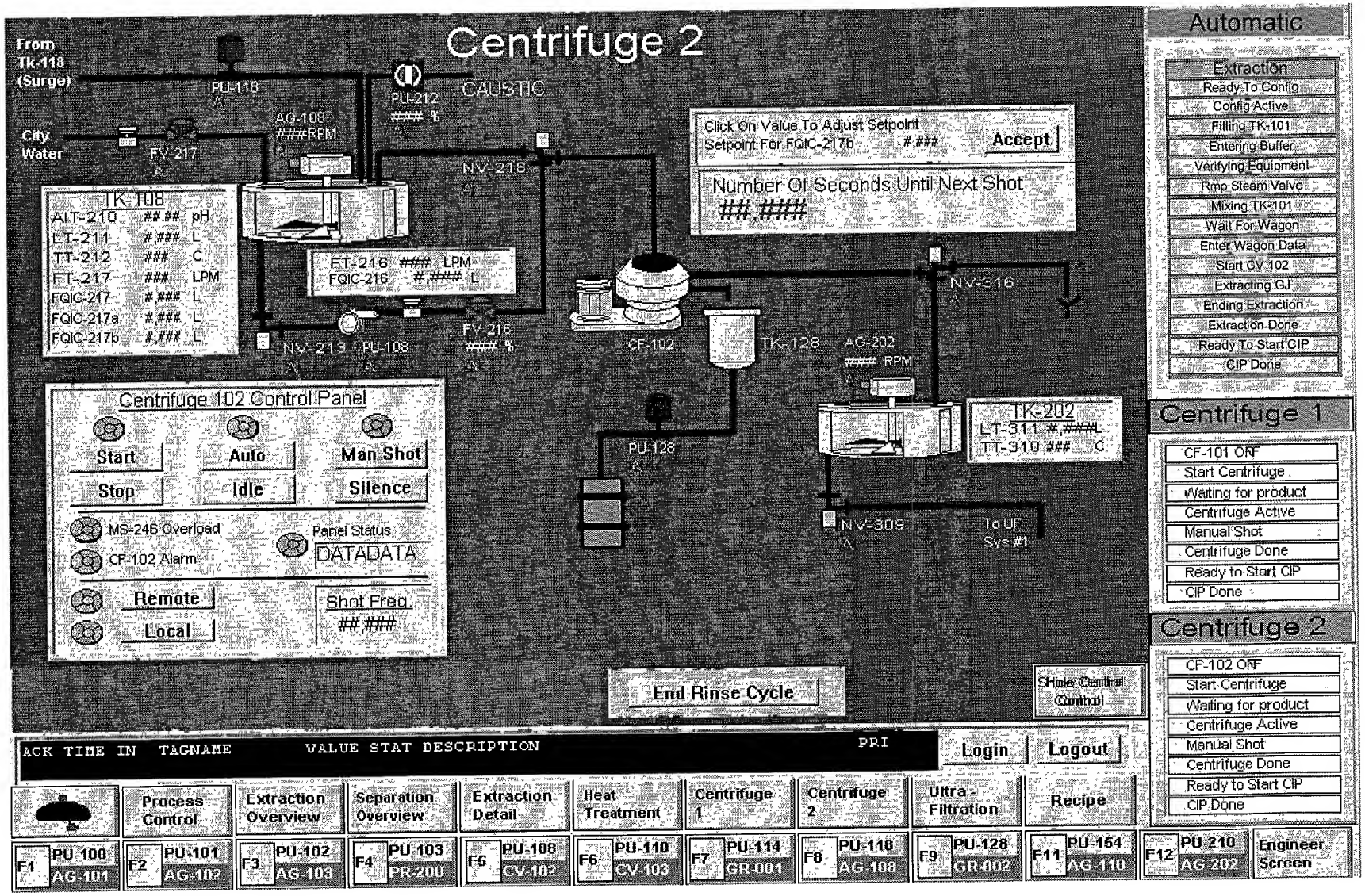

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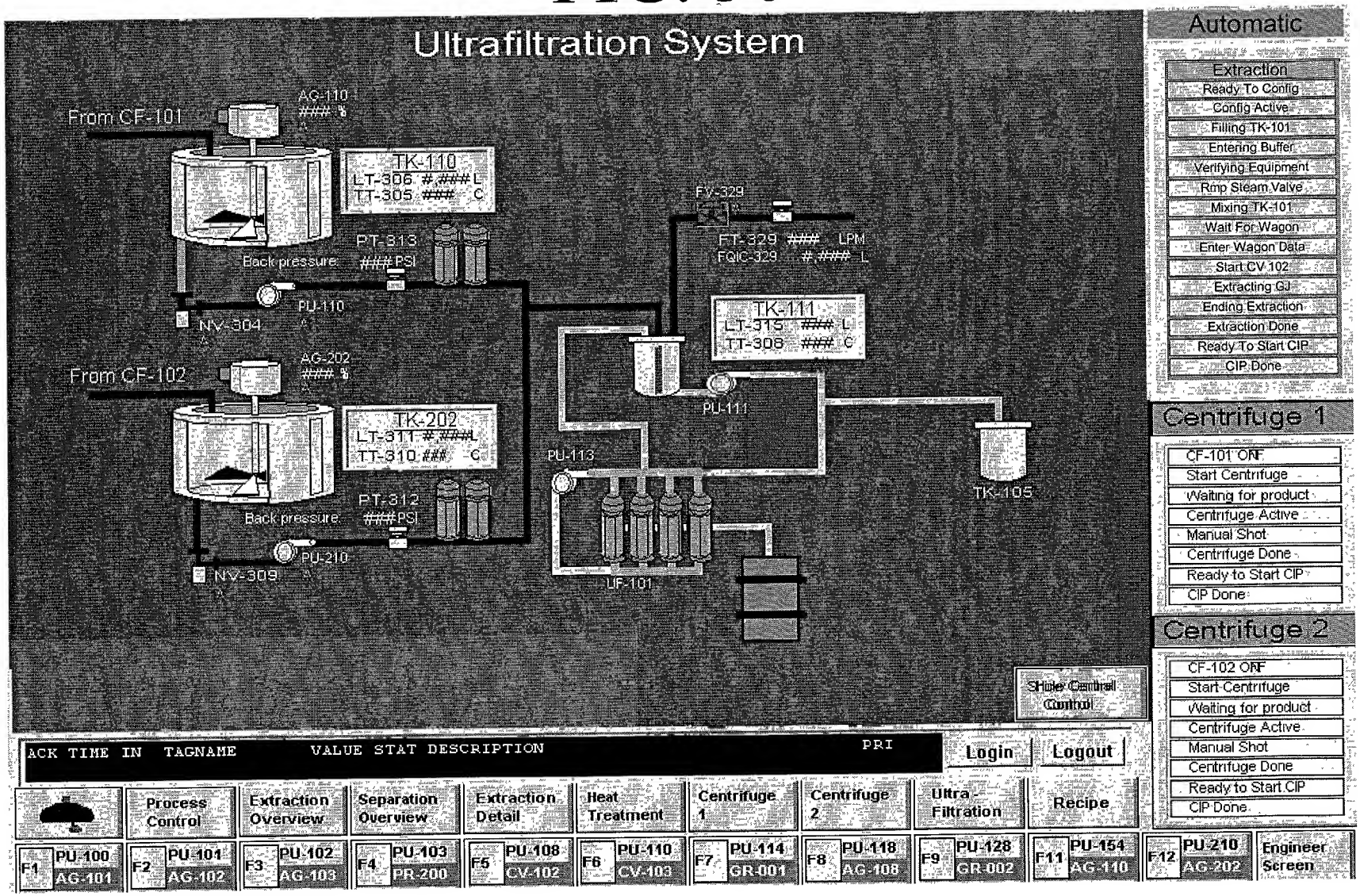
FIG. 30



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